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OM protein - protein search, using sw model

Run on: December 5, 2005, 18:41:26 ; Search time 15.5069 Seconds
(without alignments)
154.614 Million cell updates/sec

Title: US-10-624-218-1

Perfect score: 29

Sequence: 1 RAAFLEKENTALRTEVAEKEVGRNCI 29

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 572060 seqs, 82675679 residues

Word size : 0

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

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Database : Issued Patents_AA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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36	36	6	6	6	Sequence 5144, Ap
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Sequence 5683, Ap
Sequence 18199, A
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Sequence 15, Appli
Sequence 16, Appli
Sequence 9954, Ap
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Sequence 49, Appli
Sequence 49, Appli
Sequence 6128, Ap
Sequence 10615, A
Sequence 16801, A
Sequence 16151, A
Sequence 3064, Ap
Sequence 46506, A
Sequence 4395, Ap
Sequence 2, Appli
Sequence 5175, Ap
Sequence 2, Appli
Sequence 5885, Ap
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Sequence 2900, Ap
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Sequence 27, Appli
Sequence 27, Appli
Sequence 27, Appli
Sequence 7921, Ap
Sequence 4, Appli
Sequence 10, Appli
Sequence 10, Appli
Sequence 10457, A
Sequence 10541, A
Sequence 5476, Ap
Sequence 20734, A
Sequence 9, Appli
Sequence 24623, A
Sequence 20139, A
Sequence 22, Appli
Sequence 14, Appli
Sequence 4, Appli
Sequence 44529, A
Sequence 32868, A
Sequence 1, Appli
Sequence 1, Appli
Sequence 11533, A
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Sequence 51, Appli
Sequence 18, Appli
Sequence 18, Appli
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Sequence 2964, Ap
Sequence 32, Appli
Sequence 3159, Ap
Patent No. 5185441
Sequence 92, Appli
Sequence 92, Appli
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146	5	17.2	37	2	US-08-751-344B-23	Sequence 23, Appl	219	5	17.2	66	2	US-09-227-357-654	Sequence 654, App
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269	5	17.2	87	2	US-09-949-016-10441	Sequence 10441, A	342	108	2	US-09-147-875A-25	Sequence 25, Appl
270	5	17.2	88	1	US-08-690-011A-11	Sequence 11, Appl	343	108	2	US-09-294-288A-13	Sequence 13, Appl
271	5	17.2	89	1	US-08-690-011A-52	Sequence 52, Appl	344	108	2	US-09-902-540-16230	Sequence 16230, A
272	5	17.2	89	2	US-09-299-495F-64	Sequence 64, Appl	345	109	2	US-09-252-991A-21121	Sequence 21121, A
273	5	17.2	89	2	US-09-205-258-596	Sequence 596, App	346	110	2	US-09-583-110-3970	Sequence 3970, Ap
274	5	17.2	90	2	US-10-004-860-596	Sequence 596, App	347	110	2	US-09-710-279-1766	Sequence 1766, Ap
275	5	17.2	92	2	US-09-134-000C-5451	Sequence 5451, Ap	348	110	2	US-08-545-809A-129	Sequence 129, App
276	5	17.2	92	2	US-09-902-540-13617	Sequence 13617, A	349	111	2	US-09-277-303-2	Sequence 2, Appl
277	5	17.2	92	2	US-09-303-518D-216	Sequence 216, App	350	111	2	US-09-513-999C-5836	Sequence 5836, Ap
278	5	17.2	93	2	US-09-513-999C-4868	Sequence 4868, Ap	351	112	2	US-09-902-540-14602	Sequence 14602, A
279	5	17.2	94	1	US-08-569-166-35	Sequence 35, Appl	352	112	2	US-09-515-697-129	Sequence 129, App
280	5	17.2	94	2	US-09-442-099A-11	Sequence 11, Appl	353	112	2	US-10-013-819-88	Sequence 88, Appl
281	5	17.2	94	2	US-09-612-342-11	Sequence 11, Appl	354	112	2	US-09-270-767-56632	Sequence 56632, A
282	5	17.2	94	2	US-09-612-421A-11	Sequence 11, Appl	355	112	2	US-09-902-540-9940	Sequence 9940, Ap
283	5	17.2	94	2	US-09-605-703B-2404	Sequence 2404, Ap	356	113	2	US-09-248-796A-14800	Sequence 14800, A
284	5	17.2	96	2	US-08-407-165-4	Sequence 4, Appl	357	113	2	US-09-640-211A-937	Sequence 937, App
285	5	17.2	96	2	US-08-936-165A-401	Sequence 401, App	358	114	2	US-09-640-211A-2217	Sequence 2217, Ap
286	5	17.2	96	2	US-09-390-134B-53	Sequence 53, Appl	359	114	2	US-09-367-206-18	Sequence 18, Appl
287	5	17.2	96	2	US-09-252-991A-23574	Sequence 23574, A	360	115	2	US-09-270-767-42268	Sequence 42268, A
288	5	17.2	97	1	US-08-569-166-31	Sequence 31, Appl	361	115	2	US-09-298-404-18	Sequence 18, Appl
289	5	17.2	97	2	US-09-299-495F-19	Sequence 19, Appl	362	116	2	US-09-489-039A-12512	Sequence 12512, A
290	5	17.2	97	2	US-09-248-796A-21125	Sequence 21125, A	363	116	2	US-09-540-236-2295	Sequence 2295, Ap
291	5	17.2	98	2	US-09-594-506-14	Sequence 14, Appl	364	116	2	US-09-583-110-2851	Sequence 2851, Ap
292	5	17.2	98	2	US-09-147-875A-1	Sequence 1, Appl	365	119	2	US-09-270-767-47348	Sequence 47348, A
293	5	17.2	98	2	US-09-248-796A-18085	Sequence 18085, A	366	119	2	US-09-902-540-13274	Sequence 13274, A
294	5	17.2	99	1	US-08-710-749-9	Sequence 9, Appl	367	120	1	US-08-647-144-2	Sequence 2, Appl
295	5	17.2	99	1	US-08-710-749-10	Sequence 10, Appl	368	120	2	US-09-442-099A-12	Sequence 12, Appl
296	5	17.2	99	2	US-08-710-749-11	Sequence 11, Appl	369	120	2	US-09-612-342-12	Sequence 12, Appl
297	5	17.2	99	2	US-09-732-210-1583	Sequence 1583, Ap	370	120	2	US-09-612-421A-12	Sequence 12, Appl
298	5	17.2	99	2	US-09-147-875A-11	Sequence 11, Appl	371	121	2	US-09-134-000C-5498	Sequence 5498, Ap
299	5	17.2	99	2	US-09-147-875A-14	Sequence 14, Appl	372	121	2	US-09-107-532A-4296	Sequence 4296, Ap
300	5	17.2	99	2	US-09-147-875A-15	Sequence 15, Appl	373	123	2	US-09-107-532A-4296	Sequence 4296, Ap
301	5	17.2	99	2	US-09-147-875A-16	Sequence 16, Appl	374	123	2	US-09-710-279-1856	Sequence 1856, Ap
302	5	17.2	100	1	US-08-569-166-32	Sequence 32, Appl	375	124	2	US-08-529-055-62	Sequence 62, Appl
303	5	17.2	100	1	US-08-160-524A-12	Sequence 12, Appl	376	124	2	US-09-513-999C-4867	Sequence 4867, Ap
304	5	17.2	100	2	US-09-147-875A-2	Sequence 2, Appl	377	127	2	US-09-277-303-4	Sequence 4, Appl
305	5	17.2	100	2	US-09-147-875A-3	Sequence 3, Appl	378	127	2	US-09-248-796A-15103	Sequence 15103, A
306	5	17.2	100	2	US-09-147-875A-4	Sequence 4, Appl	379	127	2	US-09-471-276-1460	Sequence 1460, Ap
307	5	17.2	100	2	US-09-147-875A-8	Sequence 8, Appl	380	129	2	US-09-107-532A-5681	Sequence 5681, Ap
308	5	17.2	100	2	US-09-147-875A-10	Sequence 10, Appl	381	129	2	US-09-134-000C-5429	Sequence 5429, Ap
309	5	17.2	100	2	US-09-147-875A-12	Sequence 12, Appl	382	129	2	US-09-621-976-4973	Sequence 4973, Ap
310	5	17.2	101	1	US-08-710-749-1	Sequence 1, Appl	383	130	2	US-09-732-210-1138	Sequence 1138, Ap
311	5	17.2	101	1	US-08-710-749-2	Sequence 2, Appl	384	130	2	US-09-107-532A-6322	Sequence 6322, Ap
312	5	17.2	101	1	US-08-710-749-3	Sequence 3, Appl	385	132	2	US-09-248-796A-20786	Sequence 20786, A
313	5	17.2	101	1	US-08-710-749-7	Sequence 7, Appl	386	132	2	US-09-710-279-714	Sequence 714, App
314	5	17.2	101	2	US-09-147-875A-9	Sequence 9, Appl	387	132	2	US-09-949-016-9217	Sequence 9217, Ap
315	5	17.2	101	2	US-09-621-976-4489	Sequence 4489, Ap	388	132	2	US-09-949-016-9218	Sequence 9218, Ap
316	5	17.2	101	2	US-08-943-667-32	Sequence 32, Appl	389	133	2	US-09-270-767-35955	Sequence 35955, A
317	5	17.2	102	1	US-08-750-856A-16	Sequence 16, Appl	390	133	2	US-09-270-767-51172	Sequence 51172, A
318	5	17.2	102	1	US-08-710-749-8	Sequence 8, Appl	391	133	2	US-09-248-796A-15417	Sequence 15417, A
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393	5	17.2	134	2	US-09-134-001C-4509	Sequence 4509, Ap	466	5	17.2	170	2	US-09-772-719B-54	Sequence 54, Appl
394	5	17.2	134	2	US-08-529-055-65	Sequence 65, Appl	467	5	17.2	172	2	US-09-543-681A-6098	Sequence 6098, Ap
395	5	17.2	136	2	US-09-800-170-14	Sequence 14, Appl	468	5	17.2	172	2	US-09-134-000C-4129	Sequence 4129, Ap
396	5	17.2	136	2	US-09-107-433-4304	Sequence 4304, Ap	469	5	17.2	174	2	US-09-107-532A-5272	Sequence 5272, Ap
397	5	17.2	138	2	US-09-252-991A-26095	Sequence 26095, A	470	5	17.2	174	2	US-09-134-000C-6604	Sequence 6604, Ap
398	5	17.2	138	2	US-09-270-767-61070	Sequence 61070, A	471	5	17.2	174	2	US-09-270-767-44728	Sequence 44728, A
399	5	17.2	140	2	US-09-621-976-6296	Sequence 6296, Ap	472	5	17.2	175	2	US-09-329-884-18	Sequence 18, Appl
400	5	17.2	140	2	US-09-270-767-44412	Sequence 44412, A	473	5	17.2	175	2	US-09-489-039A-14186	Sequence 14186, A
401	5	17.2	140	2	US-09-248-796A-27587	Sequence 27587, A	474	5	17.2	175	2	US-09-270-767-46177	Sequence 46177, A
402	5	17.2	140	2	US-09-603-208A-196	Sequence 196, App	475	5	17.2	175	2	US-09-865-159A-18	Sequence 18, Appl
403	5	17.2	141	2	US-09-286-981B-2	Sequence 2, Appli	476	5	17.2	175	2	US-09-902-540-11358	Sequence 11358, A
404	5	17.2	141	2	US-09-270-767-43497	Sequence 43497, A	477	5	17.2	176	2	US-10-104-047-2567	Sequence 2567, Ap
405	5	17.2	141	2	US-10-254-995-2	Sequence 2, Appli	478	5	17.2	178	2	US-09-183-841-2	Sequence 2, Appli
406	5	17.2	144	2	US-09-621-976-5120	Sequence 5120, Ap	479	5	17.2	178	2	US-08-671-548C-14	Sequence 14, Appl
407	5	17.2	144	2	US-09-270-767-34931	Sequence 34931, A	480	5	17.2	178	2	US-08-284-667A-14	Sequence 14, Appl
408	5	17.2	144	2	US-09-270-767-50148	Sequence 50148, A	481	5	17.2	179	2	US-09-107-532A-6595	Sequence 6595, Ap
409	5	17.2	146	2	US-09-248-796A-20627	Sequence 20627, A	482	5	17.2	181	2	US-09-442-099A-10	Sequence 10, Appl
410	5	17.2	148	2	US-09-107-532A-6636	Sequence 6636, Ap	483	5	17.2	181	2	US-09-252-991A-19056	Sequence 19056, A
411	5	17.2	148	2	US-09-543-681A-7491	Sequence 7491, Ap	484	5	17.2	181	2	US-09-612-342-10	Sequence 10, Appl
412	5	17.2	148	2	US-09-248-796A-19319	Sequence 19319, A	485	5	17.2	181	2	US-09-612-421A-10	Sequence 10, Appl
413	5	17.2	149	2	US-09-328-352-7084	Sequence 7084, Ap	486	5	17.2	181	2	US-08-529-055-42	Sequence 42, Appl
414	5	17.2	149	2	US-09-270-767-32135	Sequence 32135, A	487	5	17.2	181	2	US-09-978-248A-12	Sequence 12, Appl
415	5	17.2	149	2	US-09-249-543B-26	Sequence 26, Appl	488	5	17.2	182	1	US-08-602-941-2	Sequence 2, Appli
416	5	17.2	150	2	US-09-198-452A-232	Sequence 232, App	489	5	17.2	182	2	US-08-961-264-2	Sequence 2, Appli
417	5	17.2	150	2	US-09-270-767-59622	Sequence 59622, A	490	5	17.2	182	2	US-09-442-099A-2	Sequence 2, Appli
418	5	17.2	150	2	US-09-513-999C-5732	Sequence 5732, Ap	491	5	17.2	182	2	US-09-442-099A-17	Sequence 17, Appl
419	5	17.2	150	2	US-09-438-185A-218	Sequence 218, App	492	5	17.2	182	2	US-09-612-342-2	Sequence 2, Appli
420	5	17.2	151	2	US-09-107-532A-5606	Sequence 5606, Ap	493	5	17.2	182	2	US-09-612-342-17	Sequence 17, Appl
421	5	17.2	152	2	US-09-107-532A-4611	Sequence 4611, Ap	494	5	17.2	182	2	US-09-612-421A-2	Sequence 2, Appli
422	5	17.2	154	2	US-09-270-767-33789	Sequence 33789, A	495	5	17.2	182	2	US-09-612-421A-17	Sequence 17, Appl
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424	5	17.2	154	2	US-09-249-543B-24	Sequence 24, Appl	497	5	17.2	182	2	US-09-248-796A-15881	Sequence 15881, A
425	5	17.2	155	2	US-09-252-991A-33018	Sequence 33018, A	498	5	17.2	182	2	US-09-248-796A-17806	Sequence 17806, A
426	5	17.2	155	2	US-09-543-681A-5102	Sequence 5102, Ap	499	5	17.2	183	2	US-09-107-532A-5935	Sequence 5935, Ap
427	5	17.2	155	2	US-09-543-681A-5854	Sequence 5854, Ap	500	5	17.2	183	2	US-08-529-055-50	Sequence 50, Appl
428	5	17.2	156	2	US-09-902-540-11363	Sequence 11363, A	501	5	17.2	184	2	US-09-921-144-20	Sequence 20, Appl
429	5	17.2	157	2	US-09-489-039A-10509	Sequence 10509, A	502	5	17.2	185	2	US-08-529-055-46	Sequence 46, Appl
430	5	17.2	158	2	US-09-010-809-20	Sequence 20, Appl	503	5	17.2	185	2	US-09-921-144-18	Sequence 18, Appl
431	5	17.2	158	2	US-09-252-991A-16612	Sequence 16612, A	504	5	17.2	186	2	US-09-270-767-57965	Sequence 57965, A
432	5	17.2	158	2	US-09-303-518D-124	Sequence 124, App	505	5	17.2	186	2	US-09-673-763-12	Sequence 12, Appl
433	5	17.2	160	2	US-09-270-767-31895	Sequence 31895, A	506	5	17.2	188	2	US-09-107-532A-7007	Sequence 7007, Ap
434	5	17.2	160	2	US-09-270-767-47112	Sequence 47112, A	507	5	17.2	188	2	US-08-529-055-59	Sequence 59, Appl
435	5	17.2	161	2	US-09-489-039A-12937	Sequence 12937, A	508	5	17.2	188	2	US-09-902-540-11683	Sequence 11683, A
436	5	17.2	161	2	US-09-270-767-42139	Sequence 42139, A	509	5	17.2	188	2	US-09-902-540-15656	Sequence 15656, A
437	5	17.2	162	2	US-09-270-767-39881	Sequence 39881, A	510	5	17.2	189	2	US-10-104-047-2642	Sequence 2642, Ap
438	5	17.2	162	2	US-09-270-767-55098	Sequence 55098, A	511	5	17.2	190	2	US-09-489-039A-9343	Sequence 9343, Ap
439	5	17.2	162	2	US-09-921-144-16	Sequence 16, Appl	512	5	17.2	190	2	US-09-902-540-9718	Sequence 9718, Ap
440	5	17.2	163	2	US-09-134-000C-4919	Sequence 4919, Ap	513	5	17.2	191	2	US-09-232-191-15	Sequence 15, Appl
441	5	17.2	163	2	US-09-861-451A-80	Sequence 80, Appl	514	5	17.2	191	2	US-09-232-200-15	Sequence 15, Appl
442	5	17.2	163	2	US-09-921-144-14	Sequence 14, Appl	515	5	17.2	191	2	US-09-232-197-15	Sequence 15, Appl
443	5	17.2	164	2	US-09-489-039A-12948	Sequence 12948, A	516	5	17.2	191	2	US-09-232-201-15	Sequence 15, Appl
444	5	17.2	164	2	US-09-902-540-15184	Sequence 15184, A	517	5	17.2	191	2	US-08-671-548C-2	Sequence 2, Appli
445	5	17.2	165	2	US-09-270-767-41415	Sequence 41415, A	518	5	17.2	191	2	US-09-107-532A-5508	Sequence 5508, Ap
446	5	17.2	167	2	US-09-902-540-14730	Sequence 14730, A	519	5	17.2	191	2	US-09-232-195-15	Sequence 15, Appl
447	5	17.2	168	2	US-09-329-884-22	Sequence 22, Appl	520	5	17.2	191	2	US-09-270-767-39339	Sequence 39339, A
448	5	17.2	168	2	US-09-107-532A-6863	Sequence 6863, Ap	521	5	17.2	191	2	US-09-949-016-7105	Sequence 7105, Ap
449	5	17.2	168	2	US-09-401-064-198	Sequence 198, App	522	5	17.2	191	2	US-08-284-667A-1	Sequence 2, Appli
450	5	17.2	168	2	US-09-865-159A-22	Sequence 22, Appl	523	5	17.2	192	2	US-09-134-000C-6631	Sequence 6631, Ap
451	5	17.2	169	1	US-08-766-551-5	Sequence 5, Appli	524	5	17.2	192	2	US-09-270-767-57303	Sequence 57303, A
452	5	17.2	169	2	US-09-516-914-7	Sequence 7, Appli	525	5	17.2	193	2	US-09-183-841-1	Sequence 1, Appli
453	5	17.2	169	2	US-09-329-884-14	Sequence 14, Appl	526	5	17.2	193	2	US-08-671-548C-16	Sequence 16, Appl
454	5	17.2	169	2	US-09-602-787A-204	Sequence 204, App	527	5	17.2	193	2	US-09-252-991A-17195	Sequence 17195, A
455	5	17.2	169	2	US-09-865-159A-14	Sequence 14, Appl	528	5	17.2	193	2	US-09-270-767-32444	Sequence 32444, A
456	5	17.2	169	2	US-10-104-047-3909	Sequence 3909, Ap	529	5	17.2	193	2	US-09-270-767-47661	Sequence 47661, A
457	5	17.2	170	1	US-08-481-658B-54	Sequence 54, Appl	530	5	17.2	193	2	US-09-949-016-8405	Sequence 8405, Ap
458	5	17.2	170	1	US-08-477-504A-54	Sequence 54, Appl	531	5	17.2	193	2	US-08-284-667A-16	Sequence 16, Appl
459	5	17.2	170	1	US-08-486-756A-54	Sequence 54, Appl	532	5	17.2	194	2	US-09-489-039A-9219	Sequence 9219, Ap
460	5	17.2	170	1	US-08-485-862B-54	Sequence 54, Appl	533	5	17.2	194	2	US-09-248-796A-24841	Sequence 24841, A
461	5	17.2	170	2	US-08-487-077A-54	Sequence 54, Appl	534	5	17.2	195	2	US-09-189-527-7	Sequence 7, Appli
462	5	17.2	170	2	US-08-485-863A-54	Sequence 54, Appl	535	5	17.2	195	2	US-09-328-352-6419	Sequence 6419, Ap
463	5	17.2	170	2	US-08-485-049D-54	Sequence 54, Appl	536	5	17.2	195	2	US-09-270-767-60029	Sequence 60029, Ap
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543	5	17.2	197	2	US-09-252-991A-30093	Sequence 30093, A	616	5	17.2	225	2	US-09-902-540-10198	Sequence 10198, A
544	5	17.2	198	2	US-08-529-055-61	Sequence 61, Appl	617	5	17.2	228	2	US-09-949-016-9719	Sequence 9719, Ap
545	5	17.2	198	2	US-09-673-763-10	Sequence 10, Appl	618	5	17.2	230	2	US-09-248-796A-14298	Sequence 14298, Ap
546	5	17.2	198	2	US-09-902-540-16825	Sequence 16825, A	619	5	17.2	231	2	US-09-107-433-3748	Sequence 3748, Ap
547	5	17.2	198	2	US-09-583-110-4820	Sequence 4820, Ap	620	5	17.2	232	2	US-08-529-055-70	Sequence 70, Appl
548	5	17.2	201	2	US-09-583-110-4820	Sequence 4820, Ap	621	5	17.2	232	2	US-09-328-352-5266	Sequence 5266, Ap
549	5	17.2	201	2	US-09-252-991A-24377	Sequence 24377, A	622	5	17.2	233	2	US-08-529-055-52	Sequence 52, Appl
550	5	17.2	202	2	US-09-525-649-2	Sequence 14022, A	623	5	17.2	233	2	US-09-949-016-8117	Sequence 8117, Ap
551	5	17.2	202	2	US-09-342-084-10	Sequence 10, Appl	624	5	17.2	234	1	US-08-045-985-12	Sequence 12, Appl
552	5	17.2	202	2	US-09-267-177-30	Sequence 30, Appl	625	5	17.2	234	2	US-09-489-039A-12082	Sequence 12082, A
553	5	17.2	203	2	US-09-248-796A-17743	Sequence 17743, A	626	5	17.2	234	2	US-09-280-597-12	Sequence 12, Appl
554	5	17.2	204	2	US-09-134-001C-3617	Sequence 3617, Ap	627	5	17.2	235	2	US-09-198-452A-818	Sequence 818, App
555	5	17.2	204	2	US-08-529-055-61	Sequence 51, Appl	628	5	17.2	237	2	US-09-583-110-3141	Sequence 3141, Ap
556	5	17.2	204	2	US-08-529-055-58	Sequence 58, Appl	629	5	17.2	237	2	US-08-756-416-36	Sequence 36, Appl
557	5	17.2	204	2	US-09-270-767-59117	Sequence 59117, A	630	5	17.2	237	2	US-09-902-540-13176	Sequence 13176, A
558	5	17.2	205	2	US-09-270-767-42795	Sequence 42795, A	631	5	17.2	237	2	US-09-270-767-46739	Sequence 46739, A
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561	5	17.2	206	2	US-08-529-055-54	Sequence 54, Appl	634	5	17.2	240	1	US-08-459-512-12	Sequence 12, Appl
562	5	17.2	206	2	US-09-514-245-14	Sequence 14, Appl	635	5	17.2	240	1	US-08-459-512-12	Sequence 12, Appl
563	5	17.2	206	2	US-09-514-245-169	Sequence 169, App	636	5	17.2	240	1	US-08-460-132-12	Sequence 12, Appl
564	5	17.2	206	2	US-09-514-245-170	Sequence 170, App	637	5	17.2	240	2	US-08-466-465-4	Sequence 4, Appl
565	5	17.2	207	2	US-09-270-767-58227	Sequence 58227, A	638	5	17.2	240	2	US-09-107-532A-4655	Sequence 4655, Ap
566	5	17.2	208	2	US-09-107-532A-4127	Sequence 4127, Ap	639	5	17.2	240	4	US-09-730-465-4	Sequence 4, Appl
567	5	17.2	209	2	US-09-328-352-5515	Sequence 5515, Ap	640	5	17.2	240	4	PCT-US92-02050-12	Sequence 12, Appl
568	5	17.2	209	2	US-09-252-991A-28012	Sequence 28012, A	641	5	17.2	240	6	PCT-US92-02050-12	Sequence 12, Appl
569	5	17.2	209	2	US-09-134-000C-5266	Sequence 5266, Ap	642	5	17.2	240	6	5185441-36	Patent No. 5185441
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572	5	17.2	210	2	US-09-382-155-25	Sequence 25, Appl	645	5	17.2	242	2	US-09-107-532A-3774	Sequence 3774, Ap
573	5	17.2	210	2	US-09-074-044A-25	Sequence 25, Appl	646	5	17.2	242	2	US-09-978-309A-74	Sequence 74, Appl
574	5	17.2	210	2	US-09-489-039A-10227	Sequence 10227, A	647	5	17.2	243	2	US-09-949-016-8083	Sequence 8083, Ap
575	5	17.2	211	2	US-09-949-016-10603	Sequence 10603, A	648	5	17.2	244	2	US-09-489-039A-14079	Sequence 14079, A
576	5	17.2	211	2	US-08-529-055-67	Sequence 67, Appl	649	5	17.2	247	2	US-09-248-796A-14881	Sequence 14881, A
577	5	17.2	212	2	US-08-861-774E-22	Sequence 22, Appl	650	5	17.2	247	1	US-09-107-433-2806	Sequence 2806, Ap
578	5	17.2	212	2	US-08-861-774E-34	Sequence 34, Appl	651	5	17.2	249	1	US-08-602-359A-39	Sequence 39, Appl
579	5	17.2	212	2	US-08-529-055-68	Sequence 68, Appl	652	5	17.2	250	1	US-07-940-861-10	Sequence 10, Appl
580	5	17.2	212	2	US-09-270-767-62103	Sequence 62103, A	653	5	17.2	250	1	US-08-459-512-10	Sequence 10, Appl
581	5	17.2	213	2	US-09-328-352-5268	Sequence 5268, Ap	654	5	17.2	250	1	US-08-459-512-10	Sequence 10, Appl
582	5	17.2	213	2	US-09-248-796A-18858	Sequence 18858, A	655	5	17.2	250	1	US-08-460-132-10	Sequence 10, Appl
583	5	17.2	214	2	US-09-291-170A-7	Sequence 7, Appl	656	5	17.2	250	2	US-08-466-465-2	Sequence 2, Appl
584	5	17.2	214	2	US-09-724-884-7	Sequence 7, Appl	657	5	17.2	250	2	US-09-730-465-2	Sequence 2, Appl
585	5	17.2	214	2	US-09-252-991A-28055	Sequence 28055, A	658	5	17.2	250	4	PCT-US92-02050-10	Sequence 10, Appl
586	5	17.2	214	2	US-09-543-681A-7063	Sequence 7063, Ap	659	5	17.2	250	6	5223394-1	Patent No. 5223394
587	5	17.2	214	2	US-09-724-592-7	Sequence 7, Appl	660	5	17.2	251	2	US-09-345-469-4	Sequence 4, Appl
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591	5	17.2	217	2	US-09-583-110-2811	Sequence 2811, Ap	664	5	17.2	252	1	US-09-144-925-32	Sequence 32, Appl
592	5	17.2	217	2	US-09-583-110-3412	Sequence 3412, Ap	665	5	17.2	253	2	US-09-949-016-10124	Sequence 10124, A
593	5	17.2	217	2	US-09-583-110-4492	Sequence 4492, Ap	666	5	17.2	254	2	US-09-252-991A-22771	Sequence 22771, A
594	5	17.2	217	2	US-09-949-016-6509	Sequence 6509, Ap	667	5	17.2	254	2	US-09-270-767-33738	Sequence 33738, A
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596	5	17.2	218	2	US-09-328-352-6389	Sequence 6389, Ap	669	5	17.2	254	2	US-09-248-796A-16537	Sequence 16537, A
597	5	17.2	219	2	US-09-270-767-43010	Sequence 43010, A	670	5	17.2	254	2	US-09-248-796A-21484	Sequence 21484, A
598	5	17.2	219	2	US-09-107-433-5065	Sequence 5063, Ap	671	5	17.2	255	2	US-09-902-540-15766	Sequence 15766, A
599	5	17.2	219	2	US-09-107-433-5065	Sequence 5065, Ap	672	5	17.2	255	2	US-09-602-787A-542	Sequence 542, App
600	5	17.2	219	2	US-09-902-540-11189	Sequence 11189, A	673	5	17.2	256	1	US-09-949-016-6882	Sequence 6882, Ap
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602	5	17.2	220	2	US-09-489-039A-7578	Sequence 7578, Ap	675	5	17.2	256	1	US-08-477-504A-51	Sequence 51, Appl
603	5	17.2	221	2	US-09-252-991A-21282	Sequence 21282, A	676	5	17.2	256	1	US-08-486-756A-51	Sequence 51, Appl
604	5	17.2	221	2	US-09-978-309A-76	Sequence 76, Appl	677	5	17.2	256	1	US-08-485-862B-51	Sequence 51, Appl
605	5	17.2	222	1	US-08-328-152A-8	Sequence 8, Appl	678	5	17.2	256	2	US-08-487-077A-51	Sequence 51, Appl
606	5	17.2	222	2	US-10-104-047-3044	Sequence 3044, Ap	679	5	17.2	256	2	US-08-485-863A-51	Sequence 51, Appl
607	5	17.2	223	2	US-09-143-776-4	Sequence 4, Appl	680	5	17.2	256	2	US-08-485-049D-51	Sequence 51, Appl
608	5	17.2	223	2	US-09-543-681A-5667	Sequence 5667, Ap	681	5	17.2	256	2	US-09-270-767-59979	Sequence 58979, A
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610	5	17.2	224	2	US-08-871-572B-9	Sequence 9, Appl	683	5	17.2	257	2	US-08-787-739-51	Sequence 51, Appl
611	5	17.2	225	2	US-09-107-532A-5540	Sequence 5540, Ap	684	5	17.2	257	2	US-09-177-776-51	Sequence 51, Appl

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690	5	17.2	260	2	US-09-075-454-4	Sequence 4, Appl	763	5	17.2	287	2	US-08-937-271-2	Sequence 2, Appl
691	5	17.2	261	2	US-09-902-540-11654	Sequence 11654, A	764	5	17.2	287	2	US-09-303-518D-218	Sequence 218, App
692	5	17.2	261	2	US-09-252-991A-17665	Sequence 17665, A	765	5	17.2	287	2	US-09-303-518D-893	Sequence 893, App
693	5	17.2	261	2	US-09-134-000C-4310	Sequence 4310, Ap	766	5	17.2	287	2	US-09-303-518D-894	Sequence 894, App
694	5	17.2	262	2	US-09-328-352-5050	Sequence 5050, Ap	767	5	17.2	287	2	US-09-303-518D-895	Sequence 895, App
695	5	17.2	263	2	US-09-107-532A-6107	Sequence 6107, Ap	768	5	17.2	287	2	US-09-303-518D-896	Sequence 896, App
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697	5	17.2	264	2	US-09-949-016-6881	Sequence 6881, Ap	770	5	17.2	287	2	US-09-303-518D-900	Sequence 900, App
698	5	17.2	264	2	US-09-949-016-10651	Sequence 10651, A	771	5	17.2	287	2	US-09-303-518D-901	Sequence 901, App
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701	5	17.2	268	2	US-09-710-279-1830	Sequence 1830, Ap	774	5	17.2	287	2	US-09-303-518D-910	Sequence 910, App
702	5	17.2	269	2	US-09-949-016-6180	Sequence 6180, Ap	775	5	17.2	287	2	US-09-303-518D-911	Sequence 911, App
703	5	17.2	270	2	US-09-205-258-568	Sequence 568, App	776	5	17.2	287	2	US-09-303-518D-912	Sequence 912, App
704	5	17.2	270	2	US-09-489-039A-11762	Sequence 11762, A	777	5	17.2	287	2	US-09-303-518D-913	Sequence 913, App
705	5	17.2	270	2	US-09-949-016-8118	Sequence 8118, Ap	778	5	17.2	287	2	US-09-303-518D-916	Sequence 916, App
706	5	17.2	270	2	US-10-004-860-568	Sequence 568, App	779	5	17.2	287	2	US-09-303-518D-917	Sequence 917, App
707	5	17.2	271	2	US-08-393-889-8	Sequence 8, Appl	780	5	17.2	287	2	US-08-312-949-4	Sequence 4, Appl
708	5	17.2	271	2	US-09-119-900-8	Sequence 8, Appl	781	5	17.2	288	2	US-08-446-201-4	Sequence 4, Appl
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712	5	17.2	271	4	PCT-US94-09450-8	Sequence 8, Appl	785	5	17.2	288	2	US-09-303-518D-224	Sequence 224, App
713	5	17.2	272	2	US-08-393-889-15	Sequence 15, Appl	786	5	17.2	288	2	US-09-303-518D-226	Sequence 226, App
714	5	17.2	272	2	US-09-119-900-15	Sequence 15, Appl	787	5	17.2	288	2	US-09-303-518D-921	Sequence 921, App
715	5	17.2	272	2	US-08-472-630-15	Sequence 15, Appl	788	5	17.2	288	2	US-09-303-518D-922	Sequence 922, App
716	5	17.2	272	2	US-09-902-540-16406	Sequence 16406, A	789	5	17.2	288	2	US-08-072-070-4	Sequence 4, Appl
717	5	17.2	272	4	PCT-US94-09450-15	Sequence 15, Appl	790	5	17.2	289	1	US-08-469-434-4	Sequence 4, Appl
718	5	17.2	273	2	US-09-134-001C-3917	Sequence 3917, Ap	791	5	17.2	289	1	US-08-214-222-4	Sequence 4, Appl
719	5	17.2	273	2	US-09-252-991A-28394	Sequence 28394, A	792	5	17.2	289	1	US-08-467-852A-5	Sequence 5, Appl
720	5	17.2	273	2	US-09-949-016-11056	Sequence 11056, A	793	5	17.2	289	1	US-08-468-718-4	Sequence 4, Appl
721	5	17.2	274	2	US-09-134-000C-4454	Sequence 4454, Ap	794	5	17.2	289	1	US-08-583-110-3563	Sequence 5, Appl
722	5	17.2	274	2	US-09-270-767-34274	Sequence 34274, A	795	5	17.2	289	1	US-08-457-245-7	Sequence 7, Appl
723	5	17.2	274	2	US-09-270-767-49491	Sequence 49491, A	796	5	17.2	289	1	US-09-248-796A-16918	Sequence 16918, A
724	5	17.2	274	2	US-09-902-540-45552	Sequence 45552, A	797	5	17.2	290	2	US-09-248-796A-19785	Sequence 19785, A
725	5	17.2	274	2	US-10-104-047-3353	Sequence 3353, Ap	798	5	17.2	290	2	US-09-949-016-10385	Sequence 10385, A
726	5	17.2	276	2	US-09-236-268-6	Sequence 6, Appl	799	5	17.2	290	2	US-09-252-991A-25517	Sequence 25517, A
727	5	17.2	277	2	US-09-007-494-4	Sequence 4, Appl	800	5	17.2	291	2	US-09-107-433-4868	Sequence 4868, Ap
728	5	17.2	277	2	US-09-309-683-4	Sequence 4, Appl	801	5	17.2	292	2	US-09-934-899-2	Sequence 22, Appl
729	5	17.2	279	2	US-09-107-532A-6915	Sequence 4, Appl	802	5	17.2	293	2	US-09-949-016-9717	Sequence 9717, Ap
730	5	17.2	279	2	US-09-248-796A-18859	Sequence 18859, A	803	5	17.2	293	2	US-10-701-200-22	Sequence 22, Appl
731	5	17.2	280	1	US-08-312-387B-6	Sequence 6, Appl	804	5	17.2	293	2	US-09-355-160D-8	Sequence 8, Appl
732	5	17.2	280	1	US-08-683-426-6	Sequence 6, Appl	805	5	17.2	294	2	US-09-252-991A-22068	Sequence 22068, A
733	5	17.2	280	1	US-08-595-559-3	Sequence 3, Appl	806	5	17.2	294	2	US-10-092-219-8	Sequence 8, Appl
734	5	17.2	280	1	US-08-683-458-6	Sequence 6, Appl	807	5	17.2	294	2	US-09-134-001C-2850	Sequence 2850, Ap
735	5	17.2	280	1	US-08-878-360-6	Sequence 6, Appl	808	5	17.2	294	2	US-10-118-079-4	Sequence 4, Appl
736	5	17.2	280	1	US-08-478-140B-6	Sequence 6, Appl	809	5	17.2	294	2	US-09-252-991A-29778	Sequence 29778, A
737	5	17.2	280	2	US-09-333-412-6	Sequence 6, Appl	810	5	17.2	295	2	US-09-902-540-13808	Sequence 13808, A
738	5	17.2	280	2	US-09-338-943-6	Sequence 6, Appl	811	5	17.2	295	2	US-09-991-181-213	Sequence 213, App
739	5	17.2	280	2	US-10-007-267A-6	Sequence 6, Appl	812	5	17.2	295	2	US-09-997-333-213	Sequence 213, App
740	5	17.2	280	2	US-10-159-901-9	Sequence 49, Appl	813	5	17.2	297	2	US-09-992-598-213	Sequence 213, App
741	5	17.2	281	2	US-09-270-767-45261	Sequence 45261, A	814	5	17.2	299	2	US-09-543-681A-7602	Sequence 7602, Ap
742	5	17.2	281	2	US-09-949-016-8978	Sequence 8978, Ap	815	5	17.2	300	2	US-09-902-540-15276	Sequence 15276, A
743	5	17.2	282	2	US-09-252-991A-19093	Sequence 19093, A	816	5	17.2	301	2	US-09-095-117-6	Sequence 6, Appl
744	5	17.2	282	2	US-09-252-991A-25948	Sequence 25948, A	817	5	17.2	301	2	US-09-252-991A-27392	Sequence 27392, A
745	5	17.2	282	2	US-09-270-767-42902	Sequence 42902, A	818	5	17.2	301	2	US-09-489-039A-7736	Sequence 7736, Ap
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747	5	17.2	283	1	US-08-202-044-2	Sequence 2, Appl	820	5	17.2	302	2	US-09-949-016-6178	Sequence 6178, Ap
748	5	17.2	283	2	US-08-751-344B-2	Sequence 2, Appl	821	5	17.2	302	2	US-09-252-991A-27962	Sequence 27962, A
749	5	17.2	283	2	US-09-270-767-44951	Sequence 44951, A	822	5	17.2	302	2	US-09-328-352-4193	Sequence 4193, Ap
750	5	17.2	284	1	US-08-320-148B-2	Sequence 2, Appl	823	5	17.2	302	2	US-09-710-279-2170	Sequence 2170, Ap
751	5	17.2	284	2	US-08-589-028-6	Sequence 6, Appl	824	5	17.2	302	2	US-09-095-117-8	Sequence 8, Appl
752	5	17.2	284	2	US-08-784-582-6	Sequence 6, Appl	825	5	17.2	304	2	US-09-252-991A-31539	Sequence 31539, A
753	5	17.2	284	2	US-08-785-271-6	Sequence 6, Appl	826	5	17.2	304	2	US-09-543-681A-7290	Sequence 7290, Ap
754	5	17.2	284	2	US-09-031-898-2	Sequence 2, Appl	827	5	17.2	304	2		
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756	5	17.2	284	2	US-09-270-767-43132	Sequence 43132, A	829	5	17.2	304	2		
757	5	17.2	284	2	US-09-759-847A-2	Sequence 2, Appl	830	5	17.2	304	2		

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832	5	17.2	305	2	US-09-674-529B-14	Sequence 14, Appl	905	5	17.2	334	2	US-09-134-000C-6029	Sequence 6029, Ap
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834	5	17.2	305	2	US-09-248-796A-15651	Sequence 15651, A	907	5	17.2	335	2	US-09-095-117-4	Sequence 2, Appl
835	5	17.2	305	2	US-09-949-016-9718	Sequence 9718, Ap	908	5	17.2	335	2	US-09-095-117-4	Sequence 4, Appl
836	5	17.2	306	2	US-09-543-681A-4223	Sequence 4223, Ap	909	5	17.2	335	2	US-09-483-039A-12922	Sequence 12922, A
837	5	17.2	306	2	US-09-949-016-8045	Sequence 8045, Ap	910	5	17.2	336	2	US-09-107-532A-6417	Sequence 6417, Ap
838	5	17.2	306	2	US-09-949-016-9512	Sequence 9512, Ap	911	5	17.2	336	2	US-09-605-703B-580	Sequence 580, App
839	5	17.2	307	2	US-09-710-767-44579	Sequence 44579, A	912	5	17.2	336	2	US-09-605-703B-582	Sequence 582, App
840	5	17.2	307	2	US-09-270-779-522	Sequence 522, App	913	5	17.2	337	2	US-09-252-991A-29730	Sequence 29730, A
841	5	17.2	308	2	US-09-134-001C-4400	Sequence 4400, Ap	914	5	17.2	337	2	US-09-949-016-7799	Sequence 7799, Ap
842	5	17.2	308	2	US-09-489-039A-11598	Sequence 11598, A	915	5	17.2	339	1	US-08-396-957A-4	Sequence 4, Appl
843	5	17.2	309	2	US-09-071-035-108	Sequence 108, App	916	5	17.2	339	2	US-09-949-016-10766	Sequence 10766, A
844	5	17.2	309	2	US-09-949-016-9244	Sequence 9244, A	917	5	17.2	339	2	US-09-902-540-13163	Sequence 13163, A
845	5	17.2	309	2	US-10-206-576-108	Sequence 108, App	918	5	17.2	339	2	US-09-830-230A-421	Sequence 421, App
846	5	17.2	310	2	US-09-902-540-13414	Sequence 13414, A	919	5	17.2	340	2	US-09-438-185A-770	Sequence 770, App
847	5	17.2	311	1	US-08-686-599A-19	Sequence 19, Appl	920	5	17.2	341	2	US-08-311-731A-35	Sequence 35, Appl
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851	5	17.2	311	2	US-09-819-252-2	Sequence 2, Appl	924	5	17.2	341	2	US-10-192-381-32	Sequence 32, Appl
852	5	17.2	312	2	US-10-087-013-10	Sequence 10, Appl	925	5	17.2	342	2	US-09-165-827C-2	Sequence 2, Appl
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856	5	17.2	313	2	US-09-949-016-7795	Sequence 7795, Ap	929	5	17.2	343	2	US-09-252-991A-26240	Sequence 26240, A
857	5	17.2	314	2	US-09-540-236-2121	Sequence 2121, Ap	930	5	17.2	343	2	US-09-328-352-5814	Sequence 5814, Ap
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860	5	17.2	316	2	US-09-498-599-4	Sequence 4, Appl	933	5	17.2	344	2	US-09-252-991A-23980	Sequence 23980, A
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864	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appl	937	5	17.2	345	2	US-09-252-991A-20780	Sequence 20780, A
865	5	17.2	317	2	US-09-384-301-8	Sequence 8, Appl	938	5	17.2	345	2	US-09-134-000C-6452	Sequence 6452, Ap
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870	5	17.2	320	2	US-09-347-803-23	Sequence 23, Appl	943	5	17.2	346	2	US-09-270-767-41645	Sequence 41645, A
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873	5	17.2	320	2	US-09-949-016-10451	Sequence 10451, A	946	5	17.2	347	1	US-07-940-861-43	Sequence 43, Appl
874	5	17.2	322	2	US-09-134-000C-3523	Sequence 3523, Ap	947	5	17.2	347	1	US-08-459-512-43	Sequence 43, Appl
875	5	17.2	322	2	US-09-902-540-15719	Sequence 15719, A	948	5	17.2	347	1	US-08-459-657-43	Sequence 43, Appl
876	5	17.2	322	2	US-09-830-230A-422	Sequence 42, App	949	5	17.2	347	1	US-08-460-132-43	Sequence 43, Appl
877	5	17.2	322	2	US-09-303-518D-130	Sequence 130, App	950	5	17.2	347	2	US-08-466-465-8	Sequence 8, Appl
878	5	17.2	323	1	US-08-871-267B-30	Sequence 30, Appl	951	5	17.2	347	2	US-09-730-465-8	Sequence 8, Appl
879	5	17.2	323	2	US-08-871-267B-30	Sequence 30, Appl	952	5	17.2	347	4	PCT-US92-02050-43	Sequence 43, Appl
880	5	17.2	323	2	US-09-618-419-30	Sequence 22, Appl	953	5	17.2	349	2	US-09-703-416-2	Sequence 2, Appl
881	5	17.2	323	2	US-09-163-674-22	Sequence 22, Appl	954	5	17.2	349	2	US-09-252-991A-29455	Sequence 29455, A
882	5	17.2	323	2	US-09-107-532A-5652	Sequence 5652, Ap	955	5	17.2	349	2	US-09-703-414-2	Sequence 2, Appl
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885	5	17.2	325	2	US-09-438-185A-520	Sequence 520, App	958	5	17.2	349	2	US-10-429-398-2	Sequence 2, Appl
886	5	17.2	326	2	US-08-866-381A-2	Sequence 2, Appl	959	5	17.2	350	2	US-09-892-188B-2	Sequence 2, Appl
887	5	17.2	326	2	US-09-280-598-52	Sequence 52, Appl	960	5	17.2	350	2	US-09-949-016-6257	Sequence 6257, Ap
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892	5	17.2	328	2	US-09-734-237B-50	Sequence 50, Appl	965	5	17.2	351	2	US-08-995-654-2	Sequence 2, Appl
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894	5	17.2	329	2	US-09-543-681A-4491	Sequence 4491, Ap	967	5	17.2	351	2	US-09-270-767-42647	Sequence 42647, A
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899	5	17.2	330	2	US-09-232-195-51	Sequence 51, Appl	972	5	17.2	354	1	US-08-984-246-2	Sequence 2, Appl
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902	5	17.2	333	2	US-09-562-737-6	Sequence 6, Appl	975	5	17.2	354	2	US-09-543-681A-4970	Sequence 4970, Ap
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979 5 17.2 354 2 US-09-621-011-251 Sequence 251, App
980 5 17.2 355 2 US-09-336-536-43 Sequence 43, Appl
981 5 17.2 355 2 US-09-252-991A-27426 Sequence 27426, A
982 5 17.2 355 2 US-09-148-545-197 Sequence 197, App
983 5 17.2 355 2 US-09-583-110-4655 Sequence 4655, Ap
984 5 17.2 355 2 US-09-270-767-37129 Sequence 37129, A
985 5 17.2 355 2 US-09-270-767-52346 Sequence 52346, A
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987 5 17.2 355 2 US-09-621-011-197 Sequence 197, App
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989 5 17.2 356 2 US-09-252-991A-28288 Sequence 28288, A
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992 5 17.2 356 2 US-09-949-016-11436 Sequence 11436, A
993 5 17.2 356 2 US-09-987-614A-8 Sequence 8, Appli
994 5 17.2 356 2 US-10-104-047-3174 Sequence 3174, Ap
995 5 17.2 357 2 US-09-252-991A-17293 Sequence 17293, A
996 5 17.2 358 2 US-09-377-285B-12 Sequence 12, Appl
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998 5 17.2 358 2 US-10-192-381-12 Sequence 12, Appl
999 5 17.2 359 2 US-09-071-035-472 Sequence 472, App
1000 5 17.2 359 2 US-09-543-681A-5421 Sequence 5421, Ap

ALIGNMENTS

US-09-949-016-10895
; Sequence 10895, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10895
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10895

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Best Local Similarity 100.0%; Pred. No. 2e-12;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RAAFLKENTALRTEVAEL 19
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Db 306 RAAFLKENTALRTEVAEL 324

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US-09-949-016-11210
; Sequence 11210, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
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; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11210
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11210

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Db 296 RAAFLEKEN 304

RESULT 3
5290690-11
; Patent No. 5290690
; APPLICANT: MRABET, NADIR; LASTERS, IGNACE; STANSSENS, PATRICK
; MATTHYSSENS, GASTON; WODAK, SHOSHANA; QUAX, WILHELMUS J.
; TITLE OF INVENTION: METHODS AND MEANS FOR CONTROLLING THE
; STABILITY OF PROTEINS
; NUMBER OF SEQUENCES: 22
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/398,706
; FILING DATE: 25-AUG-1989
; SEQ ID NO: 11
; LENGTH: 334
5290690-11

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Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 16 VAELEKEV 23
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Db 244 VAELEKEV 251

RESULT 4
US-09-103-664A-2
; Sequence 2, Application US/09103664A
; Patent No. 6458358
; GENERAL INFORMATION:
; APPLICANT: University of Kentucky Research Foundation
; APPLICANT: Timoney, John
; APPLICANT: Attiushin, Sergey
; TITLE OF INVENTION: Compounds Encoding the Protective M-Like Protein of Streptococcus
; FILE REFERENCE: 50229-212
; CURRENT APPLICATION NUMBER: US/09/103,664A
; CURRENT FILING DATE: 1998-06-23
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
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; TYPE: PRT
; ORGANISM: Streptococcus equi
US-09-103-664A-2

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Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 16 VAELEKEV 23
DB 391 VAELEKEV 398

RESULT 5
US-09-902-540-16607
; Sequence 16607, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 16607
; LENGTH: 84
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-16607

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QY 1 RAAPLEK 7
DB 70 RAAPLEK 76

RESULT 6
US-09-907-907A-45
; Sequence 45, Application US/09907907A
; Patent No. 6951923
; GENERAL INFORMATION:
; APPLICANT: Fisher, Paul B.
; APPLICANT: Leszcyniecka, Magdalena
; TITLE OF INVENTION: GENES DISPLAYING ENHANCED EXPRESSION DURING CELLULAR SENESCENCE A
; TITLE OF INVENTION: TERMINAL CELL DIFFERENTIATION AND USES THEREOF
; FILE REFERENCE: A34584-A-PCT-USA (070050.1664)
; CURRENT APPLICATION NUMBER: US/09/907,907A
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: US 09/243,277
; PRIOR FILING DATE: 1999-02-02
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus sequence, between Homo sapiens OLD-35 and
US-09-907-907A-45

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Best Local Similarity 100.0%; Pred. No. 8.4;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 ABELEKEV 23
DB 90 ABELEKEV 96

RESULT 7
US-09-134-000C-5352
; Sequence 5352, Application US/09134000C

Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5352
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5352

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Best Local Similarity 100.0%; Pred. No. 15;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 16 VAELEKE 22
DB 151 VAELEKE 157

RESULT 8
US-09-621-976-4267
; Sequence 4267, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 4267
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-621-976-4267

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Best Local Similarity 100.0%; Pred. No. 38;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 18 ELEKEV 23
DB 84 ELEKEV 89

RESULT 9
US-09-583-110-5144
; Sequence 5144, Application US/09583110
; Patent No. 6699703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02

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; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 5144
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-09-593-110-5144

Query Match      20.7%; Score 6; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 ALEKE 13
Db      37 ENTALR 42

RESULT 10
US-08-857-076-75
; Sequence 75, Application US/08857076C
; Patent No. 6225120
; GENERAL INFORMATION:
; APPLICANT: Ruvkun, Gary
; APPLICANT: Kimura, Koutarou
; APPLICANT: Patterson, Garth
; APPLICANT: Ogg, Scott
; APPLICANT: Paradis, Suzanne
; APPLICANT: Tiszenbaum, Heidi
; APPLICANT: Morris, Jason
; APPLICANT: Koweek, Allison
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR
; TITLE OF INVENTION: IMPAIRED GLUCOSE TOLERANCE CONDITIONS
; FILE REFERENCE: 00786/351001
; CURRENT APPLICATION NUMBER: US/08/857,076C
; CURRENT FILING DATE: 1997-05-15
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 75
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-08-857-076-75

Query Match      20.7%; Score 6; DB 2; Length 112;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      17 ALEKE 22
Db      28 ALEKE 33

RESULT 11
US-09-205-658-75
; Sequence 75, Application US/09205658
; Patent No. 6861256
; GENERAL INFORMATION:
; APPLICANT: Ruvkun, Gary
; APPLICANT: Ogg, Scott
; TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC TOOLS FOR
; TITLE OF INVENTION: IMPAIRED GLUCOSE TOLERANCE CONDITIONS
; FILE REFERENCE: 00786/351004
; CURRENT APPLICATION NUMBER: US/09/205,658
; CURRENT FILING DATE: 1998-12-03
; EARLIER APPLICATION NUMBER: 08/857,076
; EARLIER FILING DATE: 1997-05-15
; EARLIER APPLICATION NUMBER: 08/888,534
; EARLIER FILING DATE: 1997-07-07
; EARLIER APPLICATION NUMBER: US98/10080
; EARLIER FILING DATE: 1998-05-15
; NUMBER OF SEQ ID NOS: 328
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; NUMBER OF SEQ ID NOS: 5322
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; ORGANISM: Caenorhabditis elegans
US-09-205-658-75

Query Match      20.7%; Score 6; DB 2; Length 112;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      17 ALEKE 22
Db      28 ALEKE 33

RESULT 12
US-09-134-000C-5995
; Sequence 5995, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5995
; LENGTH: 121
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (35)..(35)
; OTHER INFORMATION: Amino acid 35 is Xaa wherein Xaa = any amino acid.
US-09-134-000C-5995

Query Match      20.7%; Score 6; DB 2; Length 121;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      19 LEKEVG 24
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RESULT 13
US-08-743-200-12
; Sequence 12, Application US/08743200
; Patent No. 5861260
; GENERAL INFORMATION:
; APPLICANT: Doxsey, Stephen J.
; TITLE OF INVENTION: DIAGNOSTIC METHODS FOR SCREENING
; TITLE OF INVENTION: PATIENTS FOR SCLERODERMA
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/743,200
; FILING DATE: 05-NOV-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
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; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fasse, J. Peter
; REGISTRATION NUMBER: 32,983
; REFERENCE/DOCKET NUMBER: 07917/025001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 124 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-08-743-200-12

Query Match 20.7%; Score 6; DB 1; Length 124;
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Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 ALEKE 22
DB 61 ALEKE 66

RESULT 14
US-09-489-039A-10568
; Sequence 10568, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 10568
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; US-09-489-039A-10568

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Best Local Similarity 100.0%; Pred. No. 53;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 ALEKE 22
DB 48 ALEKE 53

RESULT 15
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; Sequence 5156, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNOSTIC THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESS: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354

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; COMPUTER READABLE FORM:
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; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Denise
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5156:
; SEQUENCE CHARACTERISTICS:
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; NAME/KEY: misc feature
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Query Match 20.7%; Score 6; DB 2; Length 135;
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DB 67 ENTALR 72

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GenCore version 5.1.6
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OM protein - protein search, using sw model

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SUMMARIES

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261	5	17.2	44	2	US-09-921-144-2	Sequence 2, Appli	334	5	17.2	81	2	US-09-513-999C-4751	Sequence 284, App
262	5	17.2	45	2	US-08-960-190A-33	Sequence 33, Appl	335	5	17.2	82	2	US-10-178-213-284	Sequence 44, Appl
263	5	17.2	45	2	US-10-178-213-441	Sequence 41, App	336	5	17.2	83	1	US-08-690-011A-44	Sequence 44, Appl
264	5	17.2	48	1	US-07-835-860-1	Sequence 1, Appli	337	5	17.2	83	2	US-09-299-495F-44	Sequence 80, Appl
265	5	17.2	48	2	US-09-314-268-153	Sequence 153, App	338	5	17.2	84	2	US-10-178-213-80	Sequence 4709, Ap
266	5	17.2	51	2	US-09-013-896A-10	Sequence 10, Appl	339	5	17.2	87	2	US-09-621-976-4709	Sequence 38, Appl
267	5	17.2	51	2	US-09-827-948-10	Sequence 10, Appl	340	5	17.2	88	2	US-08-581-918A-38	Sequence 38, Appl
268	5	17.2	51	2	US-09-144-428-5	Sequence 5, Appli	341	5	17.2	88	2	US-08-346-147B-38	Sequence 38, Appl
269	5	17.2	51	2	US-10-176-071-10	Sequence 10, Appl	342	5	17.2	88	2	US-08-497-214D-38	Sequence 37, Appl
270	5	17.2	52	1	US-08-249-371-2	Sequence 2, Appli	343	5	17.2	89	2	US-08-581-918A-37	Sequence 37, Appl
271	5	17.2	52	1	US-09-673-395A-242	Sequence 242, App	344	5	17.2	89	2	US-08-346-147B-37	Sequence 37, Appl
272	5	17.2	52	2	US-09-621-976-4619	Sequence 4619, Ap	345	5	17.2	89	2	US-08-497-214D-37	Sequence 37, Appl
273	5	17.2	52	2	US-09-621-976-4765	Sequence 4765, Ap	346	5	17.2	92	2	US-09-144-428-8	Sequence 8, Appli
274	5	17.2	52	4	PCT-US95-06451-2	Sequence 2, Appli	347	5	17.2	92	2	US-09-107-433-2884	Sequence 2884, Ap
275	5	17.2	53	1	US-08-480-473B-38	Sequence 38, Appl	348	5	17.2	93	2	US-08-513-999C-4868	Sequence 4868, Ap
276	5	17.2	53	2	US-08-915-213-38	Sequence 38, Appl	349	5	17.2	93	1	US-08-569-166-35	Sequence 35, Appl
277	5	17.2	53	2	US-09-235-217-38	Sequence 38, Appl	350	5	17.2	94	2	US-09-605-703B-2404	Sequence 2404, Ap
278	5	17.2	53	2	US-09-621-976-4571	Sequence 4571, Ap	351	5	17.2	95	2	US-09-732-210-218	Sequence 218, App
279	5	17.2	53	2	US-09-621-976-4735	Sequence 4735, Ap	352	5	17.2	95	2	US-09-732-210-739	Sequence 739, App
280	5	17.2	54	1	US-08-446-692-34	Sequence 34, Appl	353	5	17.2	95	2	US-09-732-210-740	Sequence 740, App
281	5	17.2	54	1	US-08-488-351A-34	Sequence 34, Appl	354	5	17.2	95	2	US-09-621-976-5519	Sequence 5519, Ap
282	5	17.2	55	2	US-09-621-976-4649	Sequence 4649, Ap	355	5	17.2	96	2	US-08-407-165-4	Sequence 4, Appli
283	5	17.2	55	2	US-09-621-976-4682	Sequence 4682, Ap	356	5	17.2	96	2	US-09-390-134B-53	Sequence 53, Appl
284	5	17.2	55	2	US-09-621-976-6267	Sequence 6267, Ap	357	5	17.2	96	2	US-09-252-991A-23574	Sequence 23574, A
285	5	17.2	56	2	US-09-621-976-6346	Sequence 14346, A	358	5	17.2	97	1	US-08-569-166-31	Sequence 31, Appl
286	5	17.2	56	1	US-08-676-125A-23	Sequence 23, Appl	359	5	17.2	97	2	US-09-248-796A-21125	Sequence 21125, A
287	5	17.2	58	1	US-08-676-125A-24	Sequence 24, Appl	360	5	17.2	97	2	US-09-902-540-14673	Sequence 14673, A
288	5	17.2	58	1	US-09-136-012A-23	Sequence 23, Appl	361	5	17.2	97	2	US-09-902-540-14673	Sequence 6022, Ap
289	5	17.2	58	1	US-09-136-012A-24	Sequence 24, Appl	362	5	17.2	98	2	US-09-107-532A-6022	Sequence 4147, Ap
290	5	17.2	58	1	US-09-144-428-4	Sequence 4, Appli	363	5	17.2	100	1	US-09-583-110-4147	Sequence 32, Appl
291	5	17.2	59	2	US-09-621-976-5774	Sequence 5774, Ap	364	5	17.2	101	2	US-08-569-166-32	Sequence 32, Appl
292	5	17.2	60	1	US-08-607-412-2	Sequence 2, Appli	365	5	17.2	101	2	US-09-482-611B-99	Sequence 99, Appl
293	5	17.2	60	2	US-09-291-803-1	Sequence 1, Appli	366	5	17.2	101	2	US-09-482-611B-101	Sequence 101, App
294	5	17.2	60	2	US-09-860-276-1	Sequence 1, Appli	367	5	17.2	101	2	US-09-732-210-250	Sequence 250, App
295	5	17.2	60	2	US-09-860-395-1	Sequence 1, Appli	368	5	17.2	101	2	US-09-732-210-755	Sequence 755, App
296	5	17.2	61	2	US-09-621-976-4275	Sequence 4275, Ap	369	5	17.2	102	1	US-08-690-011A-45	Sequence 45, Appl
297	5	17.2	61	2	US-09-902-540-16616	Sequence 10616, A	370	5	17.2	102	2	US-09-299-495F-45	Sequence 45, Appl
298	5	17.2	62	2	US-09-621-976-4569	Sequence 4569, Ap	371	5	17.2	102	2	US-09-134-000C-5105	Sequence 5105, Ap
299	5	17.2	64	2	US-09-180-167A-31	Sequence 31, Appl	372	5	17.2	103	2	US-09-511-881A-17	Sequence 17, Appl
300	5	17.2	64	2	US-09-033-524B-31	Sequence 31, Appl	373	5	17.2	103	2	US-09-270-767-40569	Sequence 40569, A
301	5	17.2	64	2	US-09-621-976-6732	Sequence 6732, Ap	374	5	17.2	103	2	US-09-270-767-55785	Sequence 55785, A
302	5	17.2	65	2	US-09-270-767-38707	Sequence 38707, A	375	5	17.2	103	2	US-09-513-999C-7837	Sequence 7837, Ap
303	5	17.2	65	2	US-09-270-767-53924	Sequence 53924, A	376	5	17.2	104	1	US-09-270-767-60427	Sequence 60427, A
304	5	17.2	66	2	US-09-227-357-654	Sequence 654, App	377	5	17.2	105	1	US-08-474-177-14	Sequence 14, Appl
305	5	17.2	66	2	US-09-973-278-372	Sequence 372, App	378	5	17.2	105	1	US-08-487-033-14	Sequence 14, Appl
306	5	17.2	67	2	US-09-248-796A-22381	Sequence 22381, A	379	5	17.2	105	1	US-08-480-810-14	Sequence 14, Appl
307	5	17.2	71	2	US-09-206-551-32	Sequence 32, Appl	380	5	17.2	105	1	US-08-508-735-14	Sequence 14, Appl
308	5	17.2	71	2	US-09-107-532A-6043	Sequence 6043, Ap	381	5	17.2	105	1	US-08-848-251-14	Sequence 14, Appl
309	5	17.2	72	2	US-09-134-000C-4826	Sequence 4826, Ap	382	5	17.2	105	1	US-08-486-047-14	Sequence 14, Appl
310	5	17.2	73	2	US-09-206-551-28	Sequence 28, Appl	383	5	17.2	105	2	US-09-120-130-14	Sequence 14, Appl
311	5	17.2	73	2	US-09-206-551-29	Sequence 29, Appl	384	5	17.2	105	2	US-09-115-252-14	Sequence 14, Appl
312	5	17.2	73	2	US-09-206-551-30	Sequence 30, Appl	385	5	17.2	105	2	US-08-986-515-14	Sequence 14, Appl
313	5	17.2	73	2	US-09-206-551-31	Sequence 31, Appl	386	5	17.2	105	2	US-09-120-128-14	Sequence 14, Appl
314	5	17.2	75	2	US-10-178-213-440	Sequence 440, App	387	5	17.2	105	2	US-09-120-129-14	Sequence 14, Appl
315	5	17.2	76	2	US-09-489-039A-9947	Sequence 9947, App	388	5	17.2	105	2	US-09-201-139-14	Sequence 14, Appl
316	5	17.2	76	2	US-09-621-976-4533	Sequence 4533, Ap	389	5	17.2	105	2	US-09-120-131-14	Sequence 14, Appl
317	5	17.2	77	1	US-08-306-511A-8	Sequence 8, Appli	390	5	17.2	106	2	US-09-107-433-4316	Sequence 4316, Ap
318	5	17.2	77	1	US-08-893-274-8	Sequence 8, Appli	391	5	17.2	106	2	US-09-252-991A-19183	Sequence 19183, A
319	5	17.2	77	2	US-09-016-750C-8	Sequence 8, Appli	392	5	17.2	106	2	US-09-902-540-15813	Sequence 15813, A

393	5	17.2	108	2	US-09-294-298A-13	Sequence 13, Appl	466	5	17.2	138	2	US-09-120-129-16	Sequence 16, Appl
394	5	17.2	109	2	US-09-710-279-1766	Sequence 1766, Ap	467	5	17.2	138	2	US-09-201-139-16	Sequence 16, Appl
395	5	17.2	110	2	US-08-545-809A-129	Sequence 129, Ap	468	5	17.2	138	2	US-08-346-147B-4	Sequence 4, Appl
396	5	17.2	110	2	US-09-277-303-2	Sequence 2, Appl	469	5	17.2	138	2	US-09-120-131-16	Sequence 16, Appl
397	5	17.2	110	2	US-09-513-999C-5836	Sequence 5836, Ap	470	5	17.2	138	2	US-08-822-936-4	Sequence 4, Appl
398	5	17.2	110	2	US-09-902-540-15341	Sequence 15341, A	471	5	17.2	138	2	US-08-497-214D-4	Sequence 4, Appl
399	5	17.2	110	2	US-09-515-697-129	Sequence 129, App	472	5	17.2	138	2	US-09-342-647-6	Sequence 6, Appl
400	5	17.2	111	2	US-09-902-540-14618	Sequence 14618, A	473	5	17.2	138	2	US-09-134-001C-4254	Sequence 4254, Ap
401	5	17.2	111	2	US-10-012-819-98	Sequence 88, Appl	474	5	17.2	138	2	US-09-252-991A-26095	Sequence 26095, A
402	5	17.2	112	2	US-09-248-796A-23969	Sequence 23969, A	475	5	17.2	138	2	US-09-605-703B-286	Sequence 286, App
403	5	17.2	112	2	US-09-902-540-9940	Sequence 9940, Ap	476	5	17.2	138	4	PCT-US95-04636-4	Sequence 4, Appl
404	5	17.2	113	2	US-09-270-767-62356	Sequence 62356, A	477	5	17.2	140	2	US-09-621-976-6296	Sequence 6296, Ap
405	5	17.2	115	2	US-09-107-532A-5161	Sequence 5161, Ap	478	5	17.2	140	2	US-09-270-767-42179	Sequence 42179, A
406	5	17.2	115	2	US-09-107-532A-5162	Sequence 5162, Ap	479	5	17.2	140	2	US-09-270-767-44412	Sequence 44412, A
407	5	17.2	115	2	US-09-107-532A-5163	Sequence 5163, Ap	480	5	17.2	140	2	US-09-830-230A-534	Sequence 534, App
408	5	17.2	115	2	US-09-107-532A-5164	Sequence 5164, Ap	481	5	17.2	141	1	US-08-690-011A-43	Sequence 43, Appl
409	5	17.2	115	2	US-09-134-000C-6533	Sequence 6533, Ap	482	5	17.2	141	2	US-09-299-495F-43	Sequence 43, Appl
410	5	17.2	115	2	US-09-270-767-42268	Sequence 42268, A	483	5	17.2	141	2	US-09-328-352-7241	Sequence 7241, Ap
411	5	17.2	115	2	US-09-248-796A-24976	Sequence 24976, A	484	5	17.2	142	2	US-09-270-767-46853	Sequence 46853, A
412	5	17.2	115	2	US-09-513-999C-4944	Sequence 4944, Ap	485	5	17.2	142	2	US-09-902-540-11283	Sequence 11283, A
413	5	17.2	116	2	US-09-583-110-2851	Sequence 2851, Ap	486	5	17.2	143	2	US-09-732-210-608	Sequence 608, App
414	5	17.2	117	2	US-09-583-110-3144	Sequence 3144, Ap	487	5	17.2	144	2	US-09-328-352-4183	Sequence 4183, Ap
415	5	17.2	123	2	US-09-270-767-34845	Sequence 34845, A	488	5	17.2	145	2	US-09-328-352-4183	Sequence 4183, Ap
416	5	17.2	123	2	US-09-710-279-1856	Sequence 1856, Ap	489	5	17.2	146	2	US-09-328-352-4906	Sequence 4906, Ap
417	5	17.2	124	2	US-09-513-999C-5074	Sequence 5074, Ap	490	5	17.2	146	2	US-09-144-428-50	Sequence 50, Appl
418	5	17.2	124	2	US-09-513-999C-4867	Sequence 4867, Ap	491	5	17.2	146	2	US-09-270-767-40777	Sequence 40777, A
419	5	17.2	127	2	US-09-277-303-4	Sequence 4, Appl	492	5	17.2	146	2	US-09-107-532A-6636	Sequence 5993, A
420	5	17.2	127	2	US-08-732-210-117	Sequence 117, App	493	5	17.2	146	2	US-09-248-796A-20627	Sequence 20627, A
421	5	17.2	127	2	US-09-248-796A-15103	Sequence 15103, A	494	5	17.2	148	2	US-09-540-236-2775	Sequence 2775, Ap
422	5	17.2	127	2	US-09-107-433-4052	Sequence 4052, Ap	495	5	17.2	148	2	US-09-248-796A-19319	Sequence 19319, A
423	5	17.2	130	1	US-08-627-610-8	Sequence 8, Appl	501	5	17.2	148	4	PCT-US93-09945-4	Sequence 4, Appl
424	5	17.2	130	2	US-08-581-918A-8	Sequence 8, Appl	502	5	17.2	149	2	US-09-252-991A-20100	Sequence 20100, A
425	5	17.2	130	2	US-08-346-147B-8	Sequence 8, Appl	503	5	17.2	149	2	US-09-252-991A-25055	Sequence 25055, A
426	5	17.2	130	2	US-08-822-936-8	Sequence 8, Appl	504	5	17.2	149	2	US-09-732-210-161	Sequence 161, App
427	5	17.2	130	2	US-08-497-214D-8	Sequence 8, Appl	505	5	17.2	149	2	US-09-270-767-32135	Sequence 32135, A
428	5	17.2	130	2	US-09-732-210-1138	Sequence 1138, Ap	506	5	17.2	150	2	US-09-270-767-59622	Sequence 59622, A
429	5	17.2	130	4	PCT-US95-04636-8	Sequence 8, Appl	507	5	17.2	153	2	US-09-252-991A-29959	Sequence 29959, A
430	5	17.2	132	2	US-09-325-932A-181	Sequence 181, App	508	5	17.2	153	2	US-09-144-428-3	Sequence 3, Appl
431	5	17.2	132	2	US-09-732-210-1655	Sequence 1655, Ap	509	5	17.2	154	2	US-09-107-532A-4611	Sequence 4611, Ap
432	5	17.2	132	2	US-09-710-279-714	Sequence 714, App	510	5	17.2	155	2	US-09-053-197A-25	Sequence 25, Appl
433	5	17.2	132	2	US-09-949-016-9217	Sequence 9217, Ap	511	5	17.2	155	2	US-09-085-961A-25	Sequence 25, Appl
434	5	17.2	132	2	US-09-949-016-9218	Sequence 9218, Ap	512	5	17.2	155	2	US-09-252-991A-24527	Sequence 24527, A
435	5	17.2	133	2	US-09-902-540-15592	Sequence 15592, A	513	5	17.2	155	2	US-09-270-767-57684	Sequence 57684, A
436	5	17.2	134	2	US-09-134-001C-4509	Sequence 4509, Ap	514	5	17.2	155	2	US-09-830-230A-45	Sequence 45, Appl
437	5	17.2	134	2	US-09-328-352-5702	Sequence 5702, Ap	515	5	17.2	155	2	US-09-830-230A-533	Sequence 533, App
438	5	17.2	134	2	US-09-830-230A-478	Sequence 478, App	516	5	17.2	156	1	US-08-474-177-2	Sequence 2, Appl
439	5	17.2	135	2	US-09-252-991A-27904	Sequence 27904, A	517	5	17.2	156	1	US-08-487-033-2	Sequence 2, Appl
440	5	17.2	135	2	US-09-732-210-614	Sequence 614, App	518	5	17.2	156	1	US-08-480-810-2	Sequence 2, Appl
441	5	17.2	136	2	US-09-732-210-631	Sequence 631, App	519	5	17.2	156	1	US-08-508-735-2	Sequence 2, Appl
442	5	17.2	136	2	US-09-107-433-4304	Sequence 4304, Ap	520	5	17.2	156	1	US-08-627-610-2	Sequence 2, Appl
443	5	17.2	136	2	US-09-830-230A-46	Sequence 46, Appl	521	5	17.2	156	1	US-08-306-511A-2	Sequence 2, Appl
444	5	17.2	136	4	PCT-US96-05252-6	Sequence 6, Appl	522	5	17.2	156	1	US-08-893-274-2	Sequence 2, Appl
445	5	17.2	137	1	US-08-306-511A-4	Sequence 4, Appl	523	5	17.2	156	1	US-08-848-251-2	Sequence 2, Appl
446	5	17.2	137	1	US-08-893-274-4	Sequence 4, Appl	524	5	17.2	156	1	US-08-486-047-2	Sequence 2, Appl
447	5	17.2	137	2	US-09-016-750C-4	Sequence 4, Appl	525	5	17.2	156	2	US-09-120-130-2	Sequence 2, Appl
448	5	17.2	138	1	US-08-474-177-16	Sequence 16, Appl	526	5	17.2	156	2	US-08-581-518A-2	Sequence 2, Appl
449	5	17.2	138	1	US-08-487-033-16	Sequence 16, Appl	527	5	17.2	156	2	US-09-115-252-2	Sequence 2, Appl
450	5	17.2	138	1	US-08-480-810-16	Sequence 16, Appl	528	5	17.2	156	2	US-08-986-515-2	Sequence 2, Appl
451	5	17.2	138	1	US-08-508-735-16	Sequence 16, Appl	529	5	17.2	156	2	US-09-120-128-2	Sequence 2, Appl
452	5	17.2	138	1	US-08-627-610-4	Sequence 4, Appl	530	5	17.2	156	2	US-09-120-129-2	Sequence 2, Appl
453	5	17.2	138	1	US-08-848-251-16	Sequence 16, Appl	531	5	17.2	156	2	US-09-201-139-2	Sequence 2, Appl
454	5	17.2	138	1	US-08-486-047-16	Sequence 16, Appl	532	5	17.2	156	2	US-08-346-147B-2	Sequence 2, Appl
455	5	17.2	138	2	US-09-120-130-16	Sequence 25, Appl	533	5	17.2	156	2	US-09-120-131-2	Sequence 2, Appl
456	5	17.2	138	2	US-08-581-918A-4	Sequence 16, Appl	534	5	17.2	156	2	US-08-822-936-2	Sequence 2, Appl
457	5	17.2	138	2	US-09-115-252-16	Sequence 4, Appl	535	5	17.2	156	2	US-08-910-722-2	Sequence 2, Appl
458	5	17.2	138	2	US-08-986-515-16	Sequence 16, Appl	536	5	17.2	156	2	US-08-497-214D-2	Sequence 2, Appl
459	5	17.2	138	2	US-09-120-128-16	Sequence 16, Appl	537	5	17.2	156	2	US-09-457-568-28	Sequence 28, Appl
460	5	17.2	138	2			538	5	17.2	156	2	US-09-457-646-28	Sequence 28, Appl

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540	5	17.2	156	2	US-09-075-505-3	Sequence 38, Appli	613	5	17.2	188	2	US-09-828-303-20	Sequence 20, Appli
541	5	17.2	156	2	US-09-516-065-28	Sequence 28, Appli	614	5	17.2	188	2	US-09-252-991A-21296	Sequence 21296, A
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543	5	17.2	156	2	US-09-270-767-53374	Sequence 53374, A	616	5	17.2	190	2	US-09-902-540-9718	Sequence 9718, Ap
544	5	17.2	156	2	US-09-902-540-11363	Sequence 11363, A	617	5	17.2	191	2	US-09-328-352-7059	Sequence 7059, Ap
545	5	17.2	156	2	US-10-017-754-1308	Sequence 1908, Ap	618	5	17.2	191	2	US-09-538-052-118	Sequence 118, App
546	5	17.2	156	4	PCT-US95-04636-2	Sequence 2, Appli	619	5	17.2	191	2	US-09-949-016-7105	Sequence 7105, Ap
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549	5	17.2	158	2	US-09-248-796A-21214	Sequence 21214, A	622	5	17.2	192	2	US-09-270-767-57303	Sequence 57303, A
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716	5	17.2	226	2	US-09-902-540-10198	Sequence 10198, A	789	5	17.2	256	1	US-08-486-756A-51	Sequence 51, Appl
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833	5	17.2	266	2	US-09-716-964B-172	Sequence 172, App	906	5	17.2	299	2	US-09-252-991A-18498	Sequence 18498, A
834	5	17.2	266	2	US-09-772-105-8	Sequence 8, Appli	907	5	17.2	300	2	US-09-902-540-15276	Sequence 15276, A
835	5	17.2	266	2	US-10-104-047-3114	Sequence 3114, Ap	908	5	17.2	301	2	US-09-252-991A-27392	Sequence 27392, A
836	5	17.2	267	2	US-09-218-363-10	Sequence 10, Appl	909	5	17.2	302	2	US-09-252-991A-27962	Sequence 27962, Ap
837	5	17.2	267	2	US-09-252-991A-22631	Sequence 22631, A	910	5	17.2	302	2	US-09-710-279-2170	Sequence 2170, Ap
838	5	17.2	267	2	US-09-489-039A-10314	Sequence 10314, A	911	5	17.2	304	2	US-09-328-352-6510	Sequence 6510, Ap
839	5	17.2	267	2	US-09-489-039A-10314	Sequence 10314, A	912	5	17.2	304	2	US-09-489-039A-12220	Sequence 12220, A
840	5	17.2	267	2	US-09-602-777A-156	Sequence 156, App	913	5	17.2	304	2	US-09-538-092-613	Sequence 613, App
841	5	17.2	267	2	US-09-602-777A-158	Sequence 158, App	914	5	17.2	305	2	US-08-955-957A-5	Sequence 5, Appli
842	5	17.2	267	2	US-09-772-105-10	Sequence 10, Appl	915	5	17.2	305	2	US-08-955-957A-5	Sequence 5, Appli
843	5	17.2	268	2	US-09-540-14104	Sequence 14104, A	916	5	17.2	305	2	US-08-955-957A-5	Sequence 5, Appli
844	5	17.2	269	2	US-09-408-020-6	Sequence 6, Appli	917	5	17.2	305	2	US-08-955-957A-5	Sequence 5, Appli
845	5	17.2	269	2	US-09-270-767-45635	Sequence 45635, A	918	5	17.2	305	2	US-08-955-957A-5	Sequence 5, Appli
846	5	17.2	270	2	US-09-205-258-568	Sequence 568, App	919	5	17.2	306	2	US-09-248-796A-14193	Sequence 14193, A
847	5	17.2	270	2	US-09-949-016-11003	Sequence 11003, A	920	5	17.2	306	2	US-09-248-796A-14193	Sequence 14193, A
848	5	17.2	270	2	US-10-004-860-568	Sequence 568, App	921	5	17.2	307	2	US-09-252-991A-25699	Sequence 25699, A
849	5	17.2	271	2	US-08-393-889-8	Sequence 8, Appli	922	5	17.2	307	2	US-09-543-681A-4223	Sequence 4223, Ap
850	5	17.2	271	2	US-08-472-630-8	Sequence 8, Appli	923	5	17.2	308	2	US-09-543-681A-4223	Sequence 4223, Ap
851	5	17.2	271	2	US-08-472-630-8	Sequence 8, Appli	924	5	17.2	308	2	US-09-543-681A-4223	Sequence 4223, Ap
852	5	17.2	271	2	US-08-393-889-15	Sequence 15, Appl	925	5	17.2	308	2	US-09-543-681A-4223	Sequence 4223, Ap
853	5	17.2	272	2	US-08-393-889-15	Sequence 15, Appl	926	5	17.2	308	2	US-09-543-681A-4223	Sequence 4223, Ap
854	5	17.2	272	2	US-09-119-900-15	Sequence 15, Appl	927	5	17.2	308	2	US-09-543-681A-4223	Sequence 4223, Ap
855	5	17.2	272	2	US-08-472-630-15	Sequence 15, Appl	928	5	17.2	308	2	US-09-543-681A-4223	Sequence 4223, Ap
856	5	17.2	272	2	US-09-902-540-12933	Sequence 12933, A	929	5	17.2	308	2	US-09-543-681A-4223	Sequence 4223, Ap
857	5	17.2	272	2	US-09-902-540-12933	Sequence 12933, A	930	5	17.2	308	2	US-09-543-681A-4223	Sequence 4223, Ap
858	5	17.2	273	2	US-09-252-991A-21634	Sequence 21634, A	931	5	17.2	309	2	US-09-543-681A-4223	Sequence 4223, Ap
859	5	17.2	274	2	US-09-134-000C-4454	Sequence 4454, Ap	932	5	17.2	310	2	US-09-543-681A-4223	Sequence 4223, Ap
860	5	17.2	274	2	US-09-270-767-34274	Sequence 34274, A	933	5	17.2	311	2	US-09-543-681A-4223	Sequence 4223, Ap
861	5	17.2	274	2	US-09-270-767-49491	Sequence 49491, A	934	5	17.2	311	2	US-09-543-681A-4223	Sequence 4223, Ap
862	5	17.2	276	2	US-09-252-991A-23839	Sequence 23839, A	935	5	17.2	311	2	US-09-543-681A-4223	Sequence 4223, Ap
863	5	17.2	276	2	US-09-270-767-33657	Sequence 33657, A	936	5	17.2	312	2	US-09-543-681A-4223	Sequence 4223, Ap
864	5	17.2	276	2	US-09-270-767-48874	Sequence 48874, A	937	5	17.2	312	2	US-09-543-681A-4223	Sequence 4223, Ap
865	5	17.2	277	2	US-09-489-039A-9345	Sequence 9345, Ap	938	5	17.2	313	2	US-09-543-681A-4223	Sequence 4223, Ap
866	5	17.2	278	2	US-09-328-352-6797	Sequence 6797, Ap	939	5	17.2	313	2	US-09-543-681A-4223	Sequence 4223, Ap
867	5	17.2	280	2	US-10-159-901-49	Sequence 49, Appl	940	5	17.2	314	2	US-09-543-681A-4223	Sequence 4223, Ap
868	5	17.2	281	2	US-09-902-540-12624	Sequence 12624, A	941	5	17.2	314	2	US-09-543-681A-4223	Sequence 4223, Ap
869	5	17.2	281	2	US-09-890-813-12	Sequence 12, Appl	942	5	17.2	315	2	US-09-543-681A-4223	Sequence 4223, Ap
870	5	17.2	282	2	US-09-252-991A-23764	Sequence 23764, A	943	5	17.2	315	2	US-09-543-681A-4223	Sequence 4223, Ap
871	5	17.2	282	2	US-09-252-991A-25948	Sequence 25948, A	944	5	17.2	315	2	US-09-543-681A-4223	Sequence 4223, Ap
872	5	17.2	282	2	US-09-328-352-6760	Sequence 6760, Ap	945	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
873	5	17.2	283	2	US-09-270-767-44951	Sequence 44951, A	946	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
874	5	17.2	284	2	US-09-252-991A-32745	Sequence 32745, A	947	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
875	5	17.2	284	2	US-09-134-000C-5059	Sequence 5059, Ap	948	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
876	5	17.2	284	2	US-09-270-767-43132	Sequence 43132, A	949	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
877	5	17.2	284	2	US-09-949-016-10245	Sequence 10245, A	950	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
878	5	17.2	285	2	US-09-252-991A-29453	Sequence 29453, A	951	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
879	5	17.2	285	2	US-09-543-681A-7935	Sequence 7935, Ap	952	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
880	5	17.2	285	2	US-09-543-681A-8131	Sequence 8131, Ap	953	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
881	5	17.2	285	2	US-09-270-767-31978	Sequence 31978, A	954	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
882	5	17.2	285	2	US-09-902-540-11527	Sequence 11527, A	955	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
883	5	17.2	286	2	US-09-078-091-2	Sequence 2, Appli	956	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
884	5	17.2	286	2	US-09-078-091-4	Sequence 4, Appli	957	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
885	5	17.2	286	2	US-09-252-991A-23854	Sequence 23854, A	958	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
886	5	17.2	286	2	US-09-489-039A-11112	Sequence 11112, A	959	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
887	5	17.2	286	2	US-09-248-796A-19241	Sequence 19241, A	960	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
888	5	17.2	286	2	US-09-902-540-9358	Sequence 9358, Ap	961	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
889	5	17.2	287	2	US-09-252-991A-23091	Sequence 23091, A	962	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
890	5	17.2	288	2	US-09-252-991A-29966	Sequence 29966, A	963	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
891	5	17.2	288	2	US-09-902-540-11785	Sequence 11785, A	964	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
892	5	17.2	288	2	US-09-902-540-113291	Sequence 113291, A	965	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
893	5	17.2	289	2	US-09-361-096A-47	Sequence 47, Appl	966	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
894	5	17.2	290	2	US-09-218-363-4	Sequence 4, Appli	967	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
895	5	17.2	290	2	US-09-248-796A-16918	Sequence 16918, A	968	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
896	5	17.2	290	2	US-09-772-105-4	Sequence 4, Appli	969	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
897	5	17.2	291	1	US-08-531-927B-4	Sequence 4, Appli	970	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
898	5	17.2	291	2	US-09-557-262-15	Sequence 15, Appl	971	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
899	5	17.2	293	2	US-09-489-039A-12694	Sequence 12694, A	972	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
900	5	17.2	294	2	US-09-252-991A-22068	Sequence 22068, A	973	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
901	5	17.2	295	1	US-08-411-607A-2	Sequence 2, Appli	974	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
902	5	17.2	295	2	US-09-361-741-2	Sequence 2, Appli	975	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
903	5	17.2	295	2	US-09-461-418-2	Sequence 2, Appli	976	5	17.2	317	1	US-08-555-722-8	Sequence 8, Appli
			295	2	US-09-949-016-10678	Sequence 10678, A							

Query Match 24.1%; Score 7; DB 2; Length 375;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 RTRVAEL 19
| | | | |
DB 2 RTRVAEL 8

RESULT 5

US-10-272-490-66
; Sequence 66, Application US/10272490
; Patent No. 6943001
; GENERAL INFORMATION:
; APPLICANT: Zhao, Lishan
; APPLICANT: Mathur, Eric J.
; APPLICANT: Weiner, David
; APPLICANT: Richardson, Toby
; APPLICANT: Milan, Aileen
; APPLICANT: Burk, Mark J.
; APPLICANT: Han, Bin
; APPLICANT: Short, Jay M.
; TITLE OF INVENTION: EXPOXIDE HYDROLASES, NUCLEIC ACIDS ENCODING THEM AND METHODS
; FILE REFERENCE: 09010-831001
; CURRENT APPLICATION NUMBER: US/10/272,490
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 10/214,473
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: US 60/309,478
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/393,378
; PRIOR FILING DATE: 2002-07-03
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 66
; LENGTH: 401
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Obtained from an environmental source
US-10-272-490-66

Query Match 24.1%; Score 7; DB 2; Length 401;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 AELRKRV 23
| | | | |
DB 28 AELRKRV 34

RESULT 6

US-10-029-217A-20
; Sequence 20, Application US/10029217A
; Patent No. 6962798
; GENERAL INFORMATION:
; APPLICANT: OLSON, ERIC N.
; APPLICANT: WANG, DA-ZHI
; TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO A CARDIAC-SPECIFIC
; TITLE OF INVENTION: NUCLEAR REGULATORY FACTOR
; FILE REFERENCE: US/029-217A
; CURRENT APPLICATION NUMBER: US/10/029,217A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 60/257,761
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 20
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Mus musculus

US-10-029-217A-20

Query Match 20.7%; Score 6; DB 2; Length 35;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 AELRKRV 22
| | | | |
DB 11 AELRKRV 16

RESULT 7

US-09-107-532A-4130
; Sequence 4130, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneka
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4130:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 86 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEetical: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...86
; SEQUENCE DESCRIPTION: SEQ ID NO: 4130:
US-09-107-532A-4130

Query Match 20.7%; Score 6; DB 2; Length 86;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 16 VAE LRK 21
| | | | |
DB 58 VAE LRK 63

RESULT 8

US-09-902-540-13617

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; Sequence 13617, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 13617
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-13617

Query Match      20.7%; Score 6; DB 2; Length 92;
Best Local Similarity 100.0%; Pred. No. 61;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      10  TALRTR 15
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Db      51  TALRTR 56

RESULT 9
US-09-583-110-5144
; Sequence 5144, Application US/09583110
; Patent No. 669703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 5144
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-5144

Query Match      20.7%; Score 6; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 69;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8  ENTALR 13
      |||||
Db      37  ENTALR 42

RESULT 10
US-09-107-433-5156
; Sequence 5156, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNO
;
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
FOR DIAGNO
```

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; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5156:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 135 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEetical: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...135
; SEQUENCE DESCRIPTION: SEQ ID NO: 5156:
US-09-107-433-5156

Query Match      20.7%; Score 6; DB 2; Length 135;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8  ENTALR 13
      |||||
Db      67  ENTALR 72

RESULT 11
US-09-489-039A-11896
; Sequence 11896, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 11896
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-11896

Query Match      20.7%; Score 6; DB 2; Length 141;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 12 LTRVA 17
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Db 4 LTRVA 9

RESULT 12

US-09-583-110-3869
; Sequence 3869, Application US/09583110
; Patent No. 6699703

; GENERAL INFORMATION:

; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; FILE REFERENCE: Pneumoniae for Diagnostics and Therapeutics

; CURRENT APPLICATION NUMBER: US/09/583,110

; CURRENT FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/107,433

; PRIOR FILING DATE: 1998-06-30

; PRIOR APPLICATION NUMBER: US 60/085,131

; PRIOR FILING DATE: 1998-05-12

; PRIOR APPLICATION NUMBER: US 60/051,553

; PRIOR FILING DATE: 1997-07-02

; NUMBER OF SEQ ID NOS: 5322

; SEQ ID NO 3869

; LENGTH: 141

; TYPE: PRT

; ORGANISM: Streptococcus pneumoniae

US-09-583-110-3869

Query Match

Best Local Similarity 20.7%; Score 6; DB 2; Length 141;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 FLEKEN 9

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Db 21 FLEKEN 26

RESULT 13

US-09-328-352-6345

; Sequence 6345, Application US/09328352

; Patent No. 6562958

; GENERAL INFORMATION:

; APPLICANT: Gary L. Breton et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

; FILE REFERENCE: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS

; CURRENT APPLICATION NUMBER: US/09/328,352

; CURRENT FILING DATE: 1999-06-04

; NUMBER OF SEQ ID NOS: 8252

; SEQ ID NO 6345

; LENGTH: 142

; TYPE: PRT

; ORGANISM: Acinetobacter baumannii

US-09-328-352-6345

Query Match

Best Local Similarity 20.7%; Score 6; DB 2; Length 142;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 AFLEKE 8

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Db 14 AFLEKE 19

RESULT 14

US-09-303-518D-826

; Sequence 826, Application US/09303518D

; Patent No. 6914131

; GENERAL INFORMATION:

; APPLICANT: Scarlato, Vincenzo

; APPLICANT: Masignani, Vega

; APPLICANT: Rappuoli, Rino
; APPLICANT: Pizza, Mariagrazia
; APPLICANT: Grandi, Guido
; TITLE OF INVENTION: Neisserial Antigens
; FILE REFERENCE: CHIR0160
; CURRENT APPLICATION NUMBER: US/09/303,518D
; CURRENT FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 1098
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 826

; LENGTH: 149

; TYPE: PRT

; ORGANISM: Neisseria gonorrhoeae

US-09-303-518D-826

Query Match

Best Local Similarity 20.7%; Score 6; DB 2; Length 149;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 43 RAAFL 48

RESULT 15

US-09-732-210-626

; Sequence 626, Application US/09732210

; Patent No. 6573361

; GENERAL INFORMATION:

; APPLICANT: Bunkers, Greg J.

; APPLICANT: Liang, Jihong

; APPLICANT: Mittanck, Cindy A.

; APPLICANT: Seale, Jeffrey W.

; APPLICANT: Wu, Yonnie S.

; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use

; FILE REFERENCE: 38-21(15036)B

; CURRENT APPLICATION NUMBER: US/09/732,210

; CURRENT FILING DATE: 2000-12-07

; PRIOR APPLICATION NUMBER: US 60/169,513

; PRIOR FILING DATE: 1999-12-07

; PRIOR APPLICATION NUMBER: US 60/169,340

; PRIOR FILING DATE: 1999-12-07

; NUMBER OF SEQ ID NOS: 1753

; SEQ ID NO 626

; LENGTH: 150

; TYPE: PRT

; ORGANISM: Thermus aquaticus (subsp. thermophilus)

US-09-732-210-626

Query Match

Best Local Similarity 20.7%; Score 6; DB 2; Length 150;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 16 RKRVR 21

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Job time : 21.5069 secs

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OM protein - protein search, using sw model

Run on: December 5, 2005, 18:41:26 ; Search time 22.9931 Seconds
(without alignments)
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Title: US-10-624-218-3

Perfect score: 43

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Searched: 572060 seqs, 82675679 residues

Word size : 0

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Minimum DB seq length: 0

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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7	7	16.3	484	2	US-09-949-016-8999, A
8	7	16.3	485	2	US-09-252-991A-24868, A
9	7	16.3	515	2	US-08-942-012B-24, Appl
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169	5	11.6	24	1	US-08-446-692-8	Sequence 8, Appl	242	5	11.6	72	1	US-08-542-363-33	Sequence 33, Appl
170	5	11.6	24	1	US-08-140-137A-28	Sequence 28, Appl	243	5	11.6	72	1	US-08-542-363-37	Sequence 37, Appl
171	5	11.6	24	1	US-08-140-137A-37	Sequence 37, Appl	244	5	11.6	72	2	US-09-100-089-33	Sequence 33, Appl
172	5	11.6	24	1	US-08-488-351A-8	Sequence 8, Appl	245	5	11.6	72	2	US-09-100-089-37	Sequence 37, Appl
173	5	11.6	24	1	US-08-932-682-57	Sequence 57, Appl	246	5	11.6	72	2	US-09-670-827-33	Sequence 33, Appl

247	5	11.6	72	2	US-09-670-827-37	Sequence 37, Appl	320	5	11.6	105	2	US-09-120-129-14	Sequence 14, Appl
248	5	11.6	72	2	US-09-621-976-6257	Sequence 6257, Ap	321	5	11.6	105	2	US-09-201-139-14	Sequence 14, Appl
249	5	11.6	72	2	US-09-827-949-33	Sequence 33, Appl	322	5	11.6	105	2	US-09-120-131-14	Sequence 14, Appl
250	5	11.6	72	2	US-09-827-949-37	Sequence 37, Appl	323	5	11.6	105	2	US-09-234-685A-4	Sequence 4, Appl
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252	5	11.6	74	2	US-09-513-999C-5485	Sequence 5485, Ap	325	5	11.6	105	2	US-09-270-767-61017	Sequence 61017, A
253	5	11.6	74	2	US-09-513-999C-5485	Sequence 5485, Ap	326	5	11.6	105	2	US-09-252-991A-29030	Sequence 29030, A
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256	5	11.6	77	1	US-08-306-511A-8	Sequence 8, Appli	329	5	11.6	107	2	US-09-489-039A-8851	Sequence 8851, Ap
257	5	11.6	77	1	US-08-893-274-8	Sequence 8, Appli	330	5	11.6	108	1	US-08-160-524A-10	Sequence 10, Appl
258	5	11.6	77	2	US-09-016-750C-8	Sequence 8, Appli	331	5	11.6	108	2	US-09-270-767-62140	Sequence 62140, A
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260	5	11.6	78	2	US-10-178-213-86	Sequence 86, Appl	333	5	11.6	108	2	US-09-543-681A-5498	Sequence 5498, Ap
261	5	11.6	79	2	US-09-732-210-345	Sequence 345, App	334	5	11.6	110	2	US-09-513-999C-5836	Sequence 5836, Ap
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263	5	11.6	80	2	US-09-345-236B-143	Sequence 143, App	336	5	11.6	111	2	US-09-732-210-167	Sequence 167, App
264	5	11.6	80	2	US-09-205-258-939	Sequence 939, App	337	5	11.6	113	2	US-09-513-999C-8137	Sequence 8137, Ap
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269	5	11.6	82	2	US-09-188-930-301	Sequence 301, App	342	5	11.6	115	2	US-09-513-999C-4944	Sequence 4944, Ap
270	5	11.6	82	2	US-08-858-207A-272	Sequence 272, App	343	5	11.6	115	2	US-09-931-181-227	Sequence 227, App
271	5	11.6	82	2	US-09-312-283C-301	Sequence 301, App	344	5	11.6	115	2	US-09-990-444-227	Sequence 227, App
272	5	11.6	82	2	US-10-178-213-284	Sequence 284, App	345	5	11.6	115	2	US-09-992-598-227	Sequence 227, App
273	5	11.6	84	2	US-09-621-976-6522	Sequence 6522, Ap	346	5	11.6	115	2	US-09-992-598-227	Sequence 227, App
274	5	11.6	84	2	US-09-248-796A-23753	Sequence 23753, A	347	5	11.6	118	2	US-09-489-039A-12533	Sequence 12533, A
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276	5	11.6	85	2	US-10-178-213-80	Sequence 80, Appl	349	5	11.6	118	2	US-09-270-767-32972	Sequence 32972, A
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284	5	11.6	88	2	US-08-346-147B-38	Sequence 38, Appl	357	5	11.6	124	2	US-09-134-000C-4005	Sequence 4005, Ap
285	5	11.6	88	2	US-08-497-214D-38	Sequence 38, Appl	358	5	11.6	125	2	US-09-107-433-3139	Sequence 3139, Ap
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289	5	11.6	89	2	US-08-346-147B-37	Sequence 37, Appl	362	5	11.6	126	2	US-09-461-436B-28	Sequence 28, Appl
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293	5	11.6	94	2	US-09-605-703B-2404	Sequence 2404, Ap	366	5	11.6	126	2	US-09-576-290-23	Sequence 23, Appl
294	5	11.6	95	2	US-09-403-343B-33	Sequence 33, Appl	367	5	11.6	126	2	US-09-716-147-23	Sequence 23, Appl
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296	5	11.6	96	2	US-09-640-211A-1011	Sequence 1011, Ap	369	5	11.6	127	2	US-09-256-490-7	Sequence 7, Appli
297	5	11.6	97	2	US-09-893-737-54	Sequence 54, Appl	370	5	11.6	127	2	US-09-328-352-4473	Sequence 4473, Ap
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299	5	11.6	98	2	US-09-270-767-51708	Sequence 51708, A	372	5	11.6	127	2	US-09-621-976-4588	Sequence 4588, Ap
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305	5	11.6	103	2	US-09-513-999C-7884	Sequence 7884, Ap	378	5	11.6	130	2	US-08-581-918A-8	Sequence 8, Appli
306	5	11.6	103	2	US-09-511-881A-17	Sequence 17, Appl	379	5	11.6	130	2	US-08-346-147B-8	Sequence 8, Appli
307	5	11.6	103	2	US-09-270-767-40569	Sequence 40569, A	380	5	11.6	130	2	US-08-822-936-8	Sequence 8, Appli
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309	5	11.6	103	2	US-09-513-999C-6211	Sequence 6211, Ap	382	5	11.6	130	2	US-08-497-214D-8	Sequence 12, Appl
310	5	11.6	104	2	US-09-328-352-6307	Sequence 6307, Ap	383	5	11.6	130	2	US-09-485-316A-12	Sequence 13, Appl
311	5	11.6	105	1	US-08-474-177-14	Sequence 14, Appl	384	5	11.6	130	2	US-09-485-316A-13	Sequence 13, Appl
312	5	11.6	105	1	US-08-487-033-14	Sequence 14, Appl	385	5	11.6	130	2	US-09-134-000C-3765	Sequence 3765, Ap
313	5	11.6	105	1	US-08-480-810-14	Sequence 14, Appl	386	5	11.6	130	2	US-10-060-845-12	Sequence 12, Appl
314	5	11.6	105	1	US-08-508-735-14	Sequence 14, Appl	387	5	11.6	130	4	PCT-US95-064636-8	Sequence 8, Appli
315	5	11.6	105	1	US-08-848-251-14	Sequence 14, Appl	388	5	11.6	131	2	US-10-622-064-14	Sequence 14, Appl
316	5	11.6	105	1	US-08-486-047-14	Sequence 14, Appl	389	5	11.6	131	2	US-10-622-064-18	Sequence 18, Appl
317	5	11.6	105	2	US-09-120-130-14	Sequence 14, Appl	390	5	11.6	132	2	US-09-134-001C-5049	Sequence 5049, Ap
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394	5	11.6	135	2	US-09-615-192A-287	Sequence 287, App	467	5	11.6	156	1	US-08-627-611A-2	Sequence 2, Appli
395	5	11.6	135	2	US-09-107-433-5156	Sequence 5156, Ap	468	5	11.6	156	1	US-08-306-511A-2	Sequence 2, Appli
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397	5	11.6	136	4	PCT-US96-05252-6	Sequence 6, Appli	470	5	11.6	156	1	US-08-848-251-2	Sequence 2, Appli
398	5	11.6	137	1	US-08-306-511A-4	Sequence 4, Appli	471	5	11.6	156	1	US-08-486-047-2	Sequence 2, Appli
399	5	11.6	137	1	US-08-893-274-4	Sequence 4, Appli	472	5	11.6	156	2	US-09-120-130-2	Sequence 2, Appli
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401	5	11.6	137	2	US-09-605-703B-1112	Sequence 1112, Ap	474	5	11.6	156	2	US-09-115-252-2	Sequence 2, Appli
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404	5	11.6	138	1	US-08-480-810-16	Sequence 16, Appl	477	5	11.6	156	2	US-09-120-129-2	Sequence 2, Appli
405	5	11.6	138	1	US-08-508-735-16	Sequence 16, Appl	478	5	11.6	156	2	US-09-201-139-2	Sequence 2, Appli
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407	5	11.6	138	1	US-08-848-251-16	Sequence 16, Appl	480	5	11.6	156	2	US-09-120-131-2	Sequence 2, Appli
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409	5	11.6	138	2	US-08-384-106A-25	Sequence 25, Appl	482	5	11.6	156	2	US-08-910-722-2	Sequence 2, Appli
410	5	11.6	138	2	US-09-120-130-16	Sequence 16, Appl	483	5	11.6	156	2	US-08-497-214D-2	Sequence 2, Appli
411	5	11.6	138	2	US-08-581-918A-4	Sequence 4, Appli	484	5	11.6	156	2	US-09-457-568-28	Sequence 28, Appl
412	5	11.6	138	2	US-09-115-252-16	Sequence 16, Appl	485	5	11.6	156	2	US-09-457-568-28	Sequence 28, Appl
413	5	11.6	138	2	US-08-986-515-16	Sequence 16, Appl	486	5	11.6	156	2	US-09-016-750C-2	Sequence 2, Appli
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428	5	11.6	143	2	US-09-345-236B-114	Sequence 114, App	501	5	11.6	160	2	Sequence 32863, A	
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432	5	11.6	144	2	US-08-513-974B-369	Sequence 369, App	505	5	11.6	161	2	Sequence 6820, App	
433	5	11.6	144	2	US-08-776-971-106	Sequence 106, App	506	5	11.6	161	2	Sequence 411, App	
434	5	11.6	144	2	US-08-776-971-109	Sequence 109, App	507	5	11.6	161	2	Sequence 932, App	
435	5	11.6	144	2	US-08-576-290-106	Sequence 106, App	508	5	11.6	161	2	Sequence 14869, A	
436	5	11.6	144	2	US-09-576-290-109	Sequence 109, App	509	5	11.6	162	2	Sequence 1110, Ap	
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446	5	11.6	148	2	US-08-384-106A-24	Sequence 24, Appl	519	5	11.6	167	2	Sequence 367, App	
447	5	11.6	148	2	US-09-075-505-2	Sequence 2, Appli	520	5	11.6	167	2	Sequence 101, App	
448	5	11.6	148	2	US-09-107-532A-6636	Sequence 6636, Ap	521	5	11.6	167	2	Sequence 101, App	
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451	5	11.6	149	2	US-09-303-518D-826	Sequence 826, App	524	5	11.6	167	2	Sequence 107, App	
452	5	11.6	150	2	US-09-252-991A-24718	Sequence 24718, A	525	5	11.6	167	2	Sequence 46, Appl	
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454	5	11.6	151	2	US-10-464-939-14	Sequence 14, Appl	527	5	11.6	167	2	Sequence 107, App	
455	5	11.6	151	2	US-08-605-703B-1748	Sequence 1748, Ap	528	5	11.6	168	2	Sequence 129, App	
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457	5	11.6	154	1	US-08-231-205A-2	Sequence 2, Appli	530	5	11.6	168	2	Sequence 129, App	
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459	5	11.6	154	2	US-09-621-976-4212	Sequence 4212, Ap	532	5	11.6	169	2	Sequence 10447, A	
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464	5	11.6	156	1	US-08-487-033-2	Sequence 2, Appli	537	5	11.6	170	1	Sequence 54, Appl	
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607	5	11.6	196	2	US-09-902-540-12260	Sequence 12260, A	680	5	11.6	223	2	US-09-576-290-108	Sequence 108, App
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704	5	11.6	228	2	US-10-104-047-3435	Sequence 3435, Ap	777	252	2	US-08-902-572-28	Sequence 28, Appl
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708	5	11.6	232	2	US-09-902-540-15257	Sequence 15257, A	781	252	2	US-10-206-576-118	Sequence 118, App
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713	5	11.6	234	2	US-09-504-357-14	Sequence 14, Appl	786	254	2	US-09-252-991A-18443	Sequence 18443, A
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720	5	11.6	237	2	US-09-457-646-20	Sequence 20, Appl	793	255	1	US-08-622-353-8	Sequence 8, Appli
721	5	11.6	237	2	US-08-902-572-26	Sequence 26, Appl	794	255	1	US-08-622-352A-10	Sequence 10, Appl
722	5	11.6	237	2	US-09-516-065-20	Sequence 20, Appl	795	255	1	US-09-027-337-7	Sequence 7, Appli
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726	5	11.6	239	2	US-08-559-397A-17	Sequence 17, Appl	799	255	2	US-09-654-600A-7	Sequence 7, Appli
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728	5	11.6	239	2	US-10-012-819-96	Sequence 96, Appl	801	256	1	US-08-477-504A-51	Sequence 51, Appl
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742	5	11.6	243	2	US-10-020-445A-284	Sequence 284, App	815	259	2	US-09-198-452A-146	Sequence 146, App
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748	5	11.6	245	2	US-09-902-540-14978	Sequence 14978, A	821	262	2	US-09-328-352-6038	Sequence 6038, Ap
749	5	11.6	246	2	US-10-104-047-3660	Sequence 3660, Ap	822	262	2	US-09-050-739-56	Sequence 56, Appl
750	5	11.6	247	1	US-08-463-911-2	Sequence 2, Appli	823	263	1	US-08-152-922A-5	Sequence 5, Appli
751	5	11.6	247	2	US-09-140-804-8	Sequence 8, Appli	824	263	1	US-08-206-790A-23	Sequence 23, Appl
752	5	11.6	247	2	US-09-118-408-3	Sequence 3, Appli	825	263	2	US-09-149-476-580	Sequence 580, App
753	5	11.6	247	2	US-09-506-855-3	Sequence 3, Appli	826	263	2	US-09-311-784A-28	Sequence 28, Appl
754	5	11.6	247	2	US-09-686-838B-8	Sequence 8, Appli	827	263	2	US-09-949-016-6175	Sequence 6175, Ap
755	5	11.6	247	2	US-09-911-176B-3	Sequence 3, Appli	828	263	4	FCT-US95-02943-23	Sequence 23, Appl
756	5	11.6	247	2	US-09-619-740-3	Sequence 3, Appli	829	264	2	US-09-266-965-124	Sequence 124, App
757	5	11.6	247	2	US-09-776-976-2	Sequence 2, Appli	830	264	2	US-09-252-991A-18073	Sequence 18073, A

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862	5	11.6	270	2	US-09-270-767-49469	Sequence 49469, A	935	297	2	US-09-390-326-8	Sequence 8, Appli
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889	5	11.6	281	2	US-09-902-540-13624	Sequence 13624, A	962	302	2	US-10-104-047-2430	Sequence 2430, Ap
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898	5	11.6	286	2	US-09-328-352-5127	Sequence 5127, Ap	971	304	2	US-09-605-703B-2876	Sequence 2876, Ap
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980 5 11.6 306 2 US-09-527-657-16 Sequence 16, Appl
981 5 11.6 306 2 US-09-457-040B-39 Sequence 39, Appl
982 5 11.6 306 2 US-09-457-040B-40 Sequence 40, Appl
983 5 11.6 306 2 US-09-252-991A-26366 Sequence 26366, A
984 5 11.6 306 2 US-09-892-100-16 Sequence 16, Appl
985 5 11.6 306 2 US-09-664-526-12 Sequence 12, Appl
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987 5 11.6 306 2 US-09-987-107-10 Sequence 10, Appl
988 5 11.6 306 2 US-09-987-107-11 Sequence 11, Appl
989 5 11.6 307 2 US-09-270-767-44579 Sequence 44579, A
990 5 11.6 308 2 US-09-328-352-6112 Sequence 6112, Ap
991 5 11.6 309 2 US-09-489-039A-10229 Sequence 10229, A
992 5 11.6 309 2 US-10-154-515A-31 Sequence 31, Appl
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994 5 11.6 310 1 US-08-484-956-88 Sequence 88, Appl
995 5 11.6 310 1 US-08-757-653-88 Sequence 88, Appl
996 5 11.6 310 2 US-08-520-946-88 Sequence 88, Appl
997 5 11.6 310 2 US-09-655-378A-88 Sequence 88, Appl
998 5 11.6 311 2 US-09-222-939-8 Sequence 8, Appl
999 5 11.6 311 2 US-09-328-352-4789 Sequence 4789, Ap
1000 5 11.6 311 2 US-10-023-528-8 Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-09-270-767-42478
; Sequence 42478, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 42478
; LENGTH: 296
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-42478
Query Match 18.6%; Score 8; DB 2; Length 296;
Best Local Similarity 100.0%; Pred. No. 1.4; Indels 0; Gaps 0;
Matches 8; Conservative 0; Mismatches 0;

Qy 15 LETRVAEL 22
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Db 91 LETRVAEL 98

RESULT 2
US-09-489-039A-11444
; Sequence 11444, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 11444
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; LENGTH: 192
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-11444
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Best Local Similarity 100.0%; Pred. No. 10; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0;

Qy 20 AELRQRV 26
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Db 158 AELRQRV 164

RESULT 3
US-09-252-991A-31594
; Sequence 31594, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 31594
; LENGTH: 217
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31594
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Best Local Similarity 100.0%; Pred. No. 11; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0;

Qy 23 RQRVQRL 29
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Db 91 RQRVQRL 97

RESULT 4
US-09-270-767-42120
; Sequence 42120, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 42120
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-42120
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Best Local Similarity 100.0%; Pred. No. 16; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0;

Qy 5 AAFLERE 11
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Db 182 AAFLERE 188

RESULT 5
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US-08-311-731A-35
; Sequence 35, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 341 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: MYCOBACTERIUM LEPRAE
US-08-311-731A-35

Query Match 16.3%; Score 7; DB 2; Length 341;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 IEAAFL 9
Db 95 IEAAFL 101

RESULT 6
US-09-252-991A-20516
; Sequence 20516, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 20516
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-20516

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Best Local Similarity 100.0%; Pred. No. 24;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 QRVORLR 30
Db 197 QRVORLR 203

RESULT 7
US-09-949-016-8999
; Sequence 8999, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8999
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8999

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Best Local Similarity 100.0%; Pred. No. 24;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 EAAFLER 10
Db 96 EAAFLER 102

RESULT 8
US-09-252-991A-24868
; Sequence 24868, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
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; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24868

Query Match 16.3%; Score 7; DB 2; Length 485;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 EIEAAFL 8
Db 11111111

Db 428 EIAAFL 434

RESULT 9

US-08-942-012B-24

; Sequence 24, Application US/08942012B

; Patent No. 6235278

; GENERAL INFORMATION:

; APPLICANT: Miller, Lois K.

; APPLICANT: Lu, Albert

; APPLICANT: Dierks, Peter

; APPLICANT: Black, Bruce

; TITLE OF INVENTION: Biological Insect Control Agents Expressing

; TITLE OF INVENTION: Insect-Specific Toxin Genes, Methods and Compositions

; FILE REFERENCE: 28-96a

; CURRENT APPLICATION NUMBER: US/08/942,012B

; CURRENT FILING DATE: 1997-10-01

; PRIOR APPLICATION NUMBER: 08/729,606

; PRIOR FILING DATE: 2000-10-01

; NUMBER OF SEQ ID NOS: 33

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 24

; LENGTH: 515

; TYPE: PRT

; ORGANISM: Helicoverpa zea nuclear polyhedrosis virus

US-08-942-012B-24

Query Match 16.3%; Score 7; DB 2; Length 515;

Best Local Similarity 100.0%; Pred. No. 25;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 21 ELQRVQ 27

Db 237 ELQRVQ 243

RESULT 10

US-08-285-440-5

; Sequence 5, Application US/08285440

; Patent No. 5532337

; GENERAL INFORMATION:

; APPLICANT: Ken'ichiro HAYASHI et al.

; TITLE OF INVENTION: POLYPEPTIDE

; NUMBER OF SEQUENCES: 32

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Wenderoth, Lind & Ponack

; STREET: 805 Fifteenth Street, N.W., #700

; CITY: Washington

; STATE: D.C.

; COUNTRY: U.S.A.

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: MS-DOS

; SOFTWARE: DisplayWrite

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/285,440

; FILING DATE:

; CLASSIFICATION: 536

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/858,947

; FILING DATE: March 27, 1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Warren M. Cheek, Jr.

; REGISTRATION NUMBER: 33,367

; REFERENCE/DOCKET NUMBER:

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-371-8850

; TELEFAX:

; INFORMATION FOR SEQ ID NO: 5:

; SEQUENCE CHARACTERISTICS:

LENGTH: 532 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

HYPOTHETICAL:

ANTI-SENSE:

FRAGMENT TYPE:

ORIGINAL SOURCE:

ORGANISM:

STRAIN:

INDIVIDUAL ISOLATE:

DEVELOPMENTAL STAGE:

HAPLOTYPE:

TISSUE TYPE:

CELL TYPE:

CELL LINE:

ORGANELLE:

IMMEDIATE SOURCE:

LIBRARY:

CLONE:

POSITION IN GENOME:

CHROMOSOME/SEGMENT:

MAP POSITION:

UNITS:

FEATURE:

NAME/KEY:

LOCATION:

IDENTIFICATION METHOD:

OTHER INFORMATION:

PUBLICATION INFORMATION:

AUTHORS:

TITLE:

JOURNAL:

VOLUME:

ISSUE:

PAGES:

DATE:

DOCUMENT NUMBER:

FILING DATE:

PUBLICATION DATE:

RELEVANT RESIDUES IN SEQ ID NO:

US-08-285-440-5

Query Match 16.3%; Score 7; DB 1; Length 532;

Best Local Similarity 100.0%; Pred. No. 26;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 EAAFLR 10

Db 87 EAAFLR 93

RESULT 11

US-08-630-349-5

; Sequence 5, Application US/08630349

; Patent No. 5739008

; GENERAL INFORMATION:

; APPLICANT: Ken'ichiro HAYASHI et al.

; TITLE OF INVENTION: POLYPEPTIDE

; NUMBER OF SEQUENCES: 32

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Wenderoth, Lind & Ponack

; STREET: 805 Fifteenth Street, N.W., #700

; CITY: Washington

; STATE: D.C.

; COUNTRY: U.S.A.

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.5 inch, 144 mb

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: MS-DOS

; SOFTWARE: Wordperfect 5.1

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/630,349
;; FILING DATE: April 10, 1996
;; CLASSIFICATION: 435
;; PRIOR APPLICATION NUMBER: 08/285,440
;; FILING DATE: August 4, 1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/858,947
;; FILING DATE: March 27, 1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Warren M. Cheek, Jr.
;; REGISTRATION NUMBER: 33,367
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 532 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
US-08-630-349-5

Query Match 16.3%; Score 7; DB 1; Length 532;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 EAAFLER 10
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Db 87 EAAFLER 93

RESULT 12
US-09-949-016-6479
;; Sequence 6479, Application US/09949016
;; Patent No. 6812339
;; GENERAL INFORMATION:
;; APPLICANT: VENTER, J. Craig et al.
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 6479
;; LENGTH: 538
;; TYPE: PRT
;; ORGANISM: Human
US-09-949-016-6479

Query Match 16.3%; Score 7; DB 2; Length 538;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 EAAFLER 10
|||||
Db 93 EAAFLER 99

RESULT 13
US-09-949-016-7217
;; Sequence 7217, Application US/09949016
;; Patent No. 6812339
;; GENERAL INFORMATION:
;; APPLICANT: VENTER, J. Craig et al.
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 7217
;; LENGTH: 541
;; TYPE: PRT
;; ORGANISM: Human
US-09-949-016-7217

Query Match 16.3%; Score 7; DB 2; Length 541;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 EAAFLER 10
|||||
Db 96 EAAFLER 102

RESULT 14
US-08-285-440-6
;; Sequence 6, Application US/08285440
;; Patent No. 5532337
;; GENERAL INFORMATION:
;; APPLICANT: Ken'ichiro HAYASHI et al.
;; TITLE OF INVENTION: POLYPEPTIDE
;; NUMBER OF SEQUENCES: 32
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Wenderoth, Lind & Ponack
;; STREET: 805 Fifteenth Street, N.W., #700
;; CITY: Washington
;; STATE: D.C.
;; COUNTRY: U.S.A.
;; ZIP: 20005
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: MS-DOS
;; SOFTWARE: DisplayWrite
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/285,440
;; FILING DATE:
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/858,947
;; FILING DATE: March 27, 1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Warren M. Cheek, Jr.
;; REGISTRATION NUMBER: 33,367
;; REFERENCE/DOCKET NUMBER:
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-371-8850
;; TELEFAX:
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 6:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 558 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; HYPOTHETICAL:
;; ANTI-SENSE:
;; FRAGMENT TYPE:
;; ORIGINAL SOURCE:
;; ORGANISM:

;
; STRAIN:
; INDIVIDUAL ISOLATE:
; DEVELOPMENTAL STAGE:
; HAPLOTYPE:
; TISSUE TYPE:
; CELL TYPE:
; CELL LINE:
; ORGANELLE:
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE:
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT:
; MAP POSITION:
; UNITS:
; FEATURE:
; NAME/KEY:
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; PUBLICATION INFORMATION:
; AUTHORS:
; TITLE:
; JOURNAL:
; VOLUME:
; ISSUE:
; PAGES:
; DATE:
; DOCUMENT NUMBER:
; FILING DATE:
; PUBLICATION DATE:
; RELEVANT RESIDUES IN SEQ ID NO:
US-08-285-440-6

Query Match 16.3%; Score 7; DB 1; Length 558;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 EAAFLER 10
Db 87 EAAFLER 93

RESULT 15
US-08-630-349-6
; Sequence 6, Application US/08630349
; Patent No. 5739008
; GENERAL INFORMATION:
; APPLICANT: Ken'ichiro HAYASHI et al.
; TITLE OF INVENTION: POLYPEPTIDE
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 144 mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/630,349
; FILING DATE: April 10, 1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/285,440
; FILING DATE: August 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/858,947
; FILING DATE: March 27, 1992

;
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 558 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-630-349-6

Query Match 16.3%; Score 7; DB 1; Length 558;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 EAAFLER 10
Db 87 EAAFLER 93

Search completed: December 5, 2005, 18:52:42
Job time : 32.9931 secs

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104	6	14.0	762	2	US-10-258-860-2	Sequence 2, Appli	177	5	11.6	30	1	US-08-287-537B-8	Sequence 8, Appli
105	6	14.0	768	1	US-08-408-519-2	Sequence 2, Appli	178	5	11.6	30	4	PCT-US94-10936-7	Sequence 7, Appli
106	6	14.0	768	4	PCT-US95-03552-2	Sequence 2, Appli	179	5	11.6	30	4	PCT-US94-10936-8	Sequence 8, Appli
107	6	14.0	785	2	US-10-258-860-4	Sequence 4, Appli	180	5	11.6	31	2	US-08-390-353A-4	Sequence 4, Appli
108	6	14.0	817	2	US-09-489-039A-10407	Sequence 10407, A	181	5	11.6	31	2	US-09-101-059-4	Sequence 4, Appli
109	6	14.0	852	2	US-09-489-039A-13531	Sequence 13531, A	182	5	11.6	31	2	US-09-359-921-24	Sequence 24, Appli
110	6	14.0	864	2	US-08-714-741-40	Sequence 40, Appl	183	5	11.6	31	2	US-09-359-921-25	Sequence 25, Appli
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112	6	14.0	1031	2	US-09-949-016-7849	Sequence 7849, Ap	185	5	11.6	31	2	US-09-360-344-25	Sequence 25, Appli
113	6	14.0	1033	2	US-09-252-991A-21000	Sequence 21000, A	186	5	11.6	31	2	US-09-973-278-178	Sequence 178, App
114	6	14.0	1201	2	US-09-328-352-5890	Sequence 5890, Ap	187	5	11.6	32	2	US-09-091-814-80	Sequence 80, Appl
115	6	14.0	1231	2	US-08-714-741-41	Sequence 41, Appl	188	5	11.6	32	2	US-09-227-357-181	Sequence 181, App
116	6	14.0	1289	1	US-08-853-659A-51	Sequence 51, Appl	189	5	11.6	32	2	US-09-079-030-141	Sequence 141, App
117	6	14.0	1805	1	US-07-853-913-2	Sequence 2, Appli	190	5	11.6	32	2	US-09-491-614B-3	Sequence 3, Appli
118	6	14.0	1858	2	US-09-902-540-12643	Sequence 12643, A	191	5	11.6	32	2	US-09-603-885-3	Sequence 3, Appli
119	6	14.0	3878	2	US-09-914-259-11	Sequence 11, Appl	192	5	11.6	32	2	US-09-603-885-3	Sequence 3, Appli
120	6	14.0	5024	2	US-09-710-279-2964	Sequence 2964, Ap	193	5	11.6	33	1	US-08-430-633-7	Sequence 7, Appli
121	6	14.0	5588	2	US-08-036-987A-6	Sequence 6, Appli	194	5	11.6	33	1	US-08-936-854-7	Sequence 7, Appli
122	6	14.0	5588	2	US-09-370-700-6	Sequence 6, Appli	195	5	11.6	33	1	US-08-690-011A-38	Sequence 38, Appl
123	6	14.0	5588	2	US-09-603-207-6	Sequence 6, Appli	196	5	11.6	33	2	US-09-058-459-23	Sequence 23, Appl
124	6	14.0	10182	2	US-09-134-001C-3159	Sequence 3159, Ap	197	5	11.6	33	2	US-09-058-459-24	Sequence 24, Appl
125	5	11.6	11	6	5185441-2	Patent No. 5185441	198	5	11.6	33	2	US-09-058-459-26	Sequence 26, Appl
126	5	11.6	14	1	US-08-955-138-105	Sequence 105, App	199	5	11.6	33	2	US-09-058-459-27	Sequence 27, Appl
127	5	11.6	15	1	US-08-400-796-14	Sequence 14, Appl	200	5	11.6	33	2	US-09-058-459-28	Sequence 28, Appl
128	5	11.6	17	1	US-08-248-839C-144	Sequence 144, App	201	5	11.6	33	2	US-09-058-459-29	Sequence 29, Appl
129	5	11.6	19	1	US-08-690-011A-36	Sequence 36, Appl	202	5	11.6	33	2	US-09-082-279B-96	Sequence 96, Appl
130	5	11.6	19	2	US-09-299-495F-36	Sequence 36, Appl	203	5	11.6	33	2	US-09-127-926-23	Sequence 23, Appl
131	5	11.6	20	2	US-09-149-476-409	Sequence 409, App	204	5	11.6	33	2	US-09-127-926-24	Sequence 24, Appl
132	5	11.6	21	1	US-08-530-792D-19	Sequence 19, Appl	205	5	11.6	33	2	US-09-127-926-26	Sequence 26, Appl
133	5	11.6	22	1	US-08-383-753-4	Sequence 4, Appli	206	5	11.6	33	2	US-09-127-926-27	Sequence 27, Appl
134	5	11.6	22	1	US-08-586-772-4	Sequence 4, Appli	207	5	11.6	33	2	US-09-127-926-28	Sequence 28, Appl
135	5	11.6	22	1	US-08-959-512-4	Sequence 4, Appli	208	5	11.6	33	2	US-09-127-926-29	Sequence 29, Appl
136	5	11.6	22	2	US-09-512-983-4	Sequence 4, Appli	209	5	11.6	33	2	US-09-425-585-13	Sequence 13, Appl
137	5	11.6	23	1	US-08-056-200-57	Sequence 57, Appl	210	5	11.6	33	2	US-09-315-304B-96	Sequence 96, Appl
138	5	11.6	23	1	US-08-800-644-57	Sequence 57, Appl	211	5	11.6	33	2	US-09-299-495F-38	Sequence 38, Appl
139	5	11.6	23	2	US-09-438-185A-578	Sequence 578, App	212	5	11.6	33	2	US-09-796-202-6	Sequence 6, Appli
140	5	11.6	24	1	US-08-690-011A-1	Sequence 1, Appli	213	5	11.6	33	2	US-09-834-784-96	Sequence 96, Appl
141	5	11.6	24	2	US-09-299-495F-1	Sequence 1, Appli	214	5	11.6	33	2	US-09-953-321-13	Sequence 13, Appl
142	5	11.6	24	2	US-09-491-614B-29	Sequence 29, Appl	215	5	11.6	33	2	US-09-515-965A-96	Sequence 96, Appl
143	5	11.6	25	1	US-08-690-011A-2	Sequence 2, Appli	216	5	11.6	33	2	US-09-350-641C-96	Sequence 96, Appl
144	5	11.6	25	2	US-09-299-495F-2	Sequence 2, Appli	217	5	11.6	33	2	US-09-714-357-23	Sequence 23, Appl
145	5	11.6	25	2	US-09-079-030-128	Sequence 128, App	218	5	11.6	33	2	US-09-714-357-24	Sequence 24, Appl
146	5	11.6	25	2	US-09-270-767-59237	Sequence 59237, A	219	5	11.6	33	2	US-09-714-357-26	Sequence 26, Appl
147	5	11.6	26	1	US-08-690-011A-3	Sequence 3, Appli	220	5	11.6	33	2	US-09-714-357-27	Sequence 27, Appl
148	5	11.6	26	1	US-08-690-011A-37	Sequence 37, Appl	221	5	11.6	33	2	US-09-714-357-28	Sequence 28, Appl
149	5	11.6	26	2	US-09-299-495F-3	Sequence 3, Appli	222	5	11.6	33	2	US-09-714-357-29	Sequence 29, Appl
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151	5	11.6	26	2	US-09-403-861A-8	Sequence 8, Appli	224	5	11.6	33	2	US-10-057-552-23	Sequence 23, Appl
152	5	11.6	27	1	US-07-684-965-9	Sequence 9, Appli	225	5	11.6	33	2	US-10-057-552-24	Sequence 24, Appl
153	5	11.6	27	2	US-08-737-629-5	Sequence 5, Appli	226	5	11.6	33	2	US-10-057-552-26	Sequence 26, Appl
154	5	11.6	27	2	US-09-252-658-9	Sequence 9, Appli	227	5	11.6	33	2	US-10-057-552-27	Sequence 27, Appl
155	5	11.6	27	2	US-09-902-540-11089	Sequence 11089, A	228	5	11.6	33	2	US-10-057-552-28	Sequence 28, Appl
156	5	11.6	28	2	US-08-486-039-84	Sequence 84, Appl	229	5	11.6	33	2	US-10-057-552-29	Sequence 29, Appl
157	5	11.6	28	2	US-08-360-107A-94	Sequence 94, Appl	230	5	11.6	33	2	US-09-827-960-23	Sequence 23, Appl
158	5	11.6	28	2	US-08-484-223B-84	Sequence 84, Appl	231	5	11.6	33	2	US-09-827-960-24	Sequence 24, Appl
159	5	11.6	28	2	US-08-919-597-84	Sequence 84, Appl	232	5	11.6	33	2	US-09-827-960-26	Sequence 26, Appl
160	5	11.6	28	2	US-08-475-668A-84	Sequence 84, Appl	233	5	11.6	33	2	US-09-827-960-27	Sequence 27, Appl
161	5	11.6	28	2	US-08-485-551A-84	Sequence 84, Appl	234	5	11.6	33	2	US-09-827-960-28	Sequence 28, Appl
162	5	11.6	28	2	US-08-471-913A-84	Sequence 84, Appl	235	5	11.6	33	2	US-09-827-960-29	Sequence 29, Appl
163	5	11.6	28	2	US-08-485-264A-84	Sequence 84, Appl	236	5	11.6	33	2	US-09-837-886-23	Sequence 23, Appl
164	5	11.6	28	2	US-08-474-349A-84	Sequence 84, Appl	237	5	11.6	33	2	US-09-837-886-24	Sequence 24, Appl
165	5	11.6	28	2	US-08-255-208A-20	Sequence 20, Appl	238	5	11.6	33	2	US-09-837-886-26	Sequence 26, Appl
166	5	11.6	28	2	US-08-470-896-84	Sequence 84, Appl	239	5	11.6	33	2	US-09-837-886-27	Sequence 27, Appl
167	5	11.6	28	2	US-09-914-259-1	Sequence 1, Appli	240	5	11.6	33	2	US-09-837-886-28	Sequence 28, Appl
168	5	11.6	28	2	US-08-485-546A-84	Sequence 84, Appl	241	5	11.6	33	2	US-09-837-886-29	Sequence 29, Appl
169	5	11.6	28	2	US-08-350-841A-1549	Sequence 1549, Ap	242	5	11.6	33	2	US-09-491-614B-26	Sequence 26, Appl
170	5	11.6	28	2	US-09-350-841A-1566	Sequence 1566, Ap	243	5	11.6	33	2	US-09-491-614B-28	Sequence 28, Appl
171	5	11.6	28	2	US-09-350-841A-1573	Sequence 1573, Ap	244	5	11.6	33	2	US-10-323-314-6	Sequence 6, Appli
172	5	11.6	28	2	US-08-487-266A-84	Sequence 84, Appl	245	5	11.6	33	2	US-09-812-034-23	Sequence 23, Appl
173	5	11.6	28	2	US-08-484-741-84	Sequence 84, Appl	246	5	11.6	33	2	US-09-812-034-24	Sequence 24, Appl

247	5	11.6	33	2	US-09-813-034-26	Sequence 26, Appl	320	5	11.6	62	2	US-09-513-999C-6203	Sequence 6203, Ap
248	5	11.6	33	2	US-09-813-034-27	Sequence 27, Appl	321	5	11.6	63	2	US-08-390-353A-2	Sequence 2, Appl1
249	5	11.6	33	2	US-09-813-034-28	Sequence 28, Appl	322	5	11.6	63	2	US-09-101-059-2	Sequence 2, Appl1
250	5	11.6	33	2	US-09-813-034-29	Sequence 29, Appl	323	5	11.6	64	1	US-09-248-796A-23558	Sequence 23558, A
251	5	11.6	34	1	US-08-690-011A-53	Sequence 53, Appl	324	5	11.6	64	1	US-08-091-569-23	Sequence 22, Appl
252	5	11.6	34	1	US-08-690-011A-54	Sequence 54, Appl	325	5	11.6	64	1	US-08-203-676-22	Sequence 22, Appl
253	5	11.6	34	1	US-08-690-011A-57	Sequence 57, Appl	326	5	11.6	64	1	US-08-822-238-22	Sequence 22, Appl
254	5	11.6	34	2	US-09-082-279B-27	Sequence 27, Appl	327	5	11.6	67	2	US-09-489-039A-7809	Sequence 7809, Ap
255	5	11.6	34	2	US-09-315-304B-27	Sequence 27, Appl	328	5	11.6	67	2	US-09-640-211A-2241	Sequence 2241, Ap
256	5	11.6	34	2	US-09-299-495F-53	Sequence 53, Appl	329	5	11.6	68	2	US-09-640-211A-928	Sequence 928, App
257	5	11.6	34	2	US-09-299-495F-54	Sequence 54, Appl	330	5	11.6	69	2	US-09-270-767-38692	Sequence 38692, A
258	5	11.6	34	2	US-09-299-495F-57	Sequence 57, Appl	331	5	11.6	69	2	US-09-270-767-38692	Sequence 38692, A
259	5	11.6	34	2	US-09-834-784-27	Sequence 27, Appl	332	5	11.6	70	2	US-09-543-681A-6269	Sequence 6269, Ap
260	5	11.6	34	2	US-09-515-965A-27	Sequence 27, Appl	333	5	11.6	71	2	US-08-390-353A-3	Sequence 3, Appl1
261	5	11.6	34	2	US-09-350-641C-27	Sequence 27, Appl	334	5	11.6	71	2	US-09-101-059-3	Sequence 3, Appl1
262	5	11.6	34	2	US-09-350-841A-27	Sequence 27, Appl	335	5	11.6	74	2	US-09-490-291-11	Sequence 11, Appl
263	5	11.6	34	2	US-09-491-614B-27	Sequence 27, Appl	336	5	11.6	74	2	US-08-301-162-6	Sequence 6, Appl1
264	5	11.6	35	1	US-08-792-553-17	Sequence 17, Appl	337	5	11.6	75	2	US-09-461-240-6	Sequence 6, Appl1
265	5	11.6	35	2	US-09-314-268-94	Sequence 94, Appl	338	5	11.6	75	2	US-09-968-927-6	Sequence 6, Appl1
266	5	11.6	35	2	US-08-594-575C-17	Sequence 17, Appl	339	5	11.6	76	2	US-08-956-307B-17	Sequence 17, Appl
267	5	11.6	36	2	US-09-097-309-3	Sequence 3, Appl	340	5	11.6	77	1	US-07-940-861-5	Sequence 5, Appl1
268	5	11.6	36	2	US-09-097-171A-3	Sequence 3, Appl	341	5	11.6	77	1	US-08-459-657-5	Sequence 5, Appl1
269	5	11.6	36	2	US-09-082-279B-26	Sequence 26, Appl	342	5	11.6	77	1	US-08-459-657-5	Sequence 5, Appl1
270	5	11.6	36	2	US-09-460-587-3	Sequence 3, Appl	343	5	11.6	77	1	US-08-460-132-5	Sequence 5, Appl1
271	5	11.6	36	2	US-09-315-304B-26	Sequence 26, Appl	344	5	11.6	77	2	US-09-489-039A-11517	Sequence 11517, A
272	5	11.6	36	2	US-09-834-784-26	Sequence 26, Appl	345	5	11.6	77	2	US-09-513-999C-4936	Sequence 4936, Ap
273	5	11.6	36	2	US-09-515-965A-26	Sequence 26, Appl	346	5	11.6	77	4	PCT-US92-02050-5	Sequence 5, Appl1
274	5	11.6	36	2	US-09-350-641C-26	Sequence 26, Appl	347	5	11.6	78	2	US-09-252-991A-31747	Sequence 31747, A
275	5	11.6	36	2	US-09-350-841A-26	Sequence 26, Appl	348	5	11.6	78	2	US-09-902-540-13624	Sequence 13624, A
276	5	11.6	36	2	US-09-940-166A-3	Sequence 3, Appl	349	5	11.6	79	2	US-09-540-236-3183	Sequence 3183, Ap
277	5	11.6	36	2	US-09-350-841A-26	Sequence 26, Appl	350	5	11.6	80	2	US-09-345-236B-143	Sequence 143, App
278	5	11.6	36	2	US-09-491-614B-23	Sequence 23, Appl	351	5	11.6	80	2	US-09-489-039A-13035	Sequence 13035, A
279	5	11.6	40	2	US-09-270-767-59296	Sequence 59296, A	352	5	11.6	81	2	US-09-252-991A-26442	Sequence 26442, A
280	5	11.6	40	2	US-08-962-560C-63	Sequence 63, Appl	353	5	11.6	81	2	US-09-902-540-12401	Sequence 12401, A
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282	5	11.6	42	2	US-08-956-307B-2	Sequence 2, Appl	355	5	11.6	82	2	US-09-513-999C-4935	Sequence 4935, Ap
283	5	11.6	43	2	US-09-376-463-26	Sequence 26, Appl	356	5	11.6	83	2	US-09-621-976-6522	Sequence 6522, Ap
284	5	11.6	44	2	US-08-918-148-56	Sequence 56, Appl	357	5	11.6	83	2	US-09-902-540-15222	Sequence 15222, A
285	5	11.6	44	2	US-09-138-091A-56	Sequence 56, Appl	358	5	11.6	84	1	US-08-452-592B-6	Sequence 6, Appl1
286	5	11.6	44	2	US-09-491-614B-36	Sequence 36, Appl	359	5	11.6	84	1	US-08-452-592B-7	Sequence 7, Appl1
287	5	11.6	45	1	US-08-422-101-22	Sequence 22, Appl	360	5	11.6	84	1	US-08-452-592B-8	Sequence 8, Appl1
288	5	11.6	45	1	US-08-422-091-22	Sequence 22, Appl	361	5	11.6	84	1	US-08-452-592B-9	Sequence 9, Appl1
289	5	11.6	45	1	US-08-422-092-22	Sequence 22, Appl	362	5	11.6	84	2	US-08-452-592B-10	Sequence 10, Appl
290	5	11.6	45	2	US-09-027-449-57	Sequence 57, Appl	363	5	11.6	84	2	US-09-299-495F-11	Sequence 11, Appl
291	5	11.6	45	2	US-08-422-093-22	Sequence 22, Appl	364	5	11.6	84	2	US-09-902-540-16607	Sequence 16607, A
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293	5	11.6	45	2	US-08-422-112-22	Sequence 22, Appl	366	5	11.6	85	2	US-09-270-767-54140	Sequence 54140, A
294	5	11.6	45	2	US-09-026-985-57	Sequence 57, Appl	367	5	11.6	86	2	US-09-299-495F-17	Sequence 17, Appl
295	5	11.6	45	2	US-09-121-952A-57	Sequence 57, Appl	368	5	11.6	86	2	US-09-107-532A-4130	Sequence 4130, Ap
296	5	11.6	45	2	US-09-234-340A-57	Sequence 57, Appl	369	5	11.6	86	2	US-09-583-110-4938	Sequence 4938, Ap
297	5	11.6	45	2	US-09-355-014-57	Sequence 4, Appl	370	5	11.6	87	2	US-09-107-433-3623	Sequence 3623, Ap
298	5	11.6	46	1	US-08-256-790-4	Sequence 2, Appl	371	5	11.6	87	1	US-08-091-569-21	Sequence 21, Appl
299	5	11.6	48	2	US-09-376-463-29	Sequence 29, Appl	372	5	11.6	88	1	US-08-203-676-21	Sequence 21, Appl
300	5	11.6	49	2	US-10-622-064-12	Sequence 12, Appl	373	5	11.6	88	1	US-08-690-011A-11	Sequence 11, Appl
301	5	11.6	50	1	US-07-940-861-2	Sequence 2, Appl	374	5	11.6	88	1	US-08-690-011A-27	Sequence 27, Appl
302	5	11.6	50	1	US-08-459-512-2	Sequence 2, Appl	375	5	11.6	88	1	US-08-822-238-21	Sequence 21, Appl
303	5	11.6	50	1	US-08-459-657-2	Sequence 2, Appl	376	5	11.6	88	1	US-08-822-238-21	Sequence 21, Appl
304	5	11.6	50	1	US-08-460-132-2	Sequence 2, Appl	377	5	11.6	91	2	US-09-134-000C-5451	Sequence 5451, Ap
305	5	11.6	50	4	PCT-US92-02050-2	Sequence 2, Appl	378	5	11.6	92	2	US-09-902-540-13617	Sequence 13617, A
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307	5	11.6	52	2	US-09-376-463-5	Sequence 5, Appl	380	5	11.6	94	2	US-10-002-974-6	Sequence 6, Appl1
308	5	11.6	55	2	US-09-513-999C-7375	Sequence 7375, Ap	381	5	11.6	96	2	US-09-252-991A-23574	Sequence 23574, A
309	5	11.6	57	2	US-09-623-548A-14381	Sequence 14381, A	382	5	11.6	96	2	US-09-328-352-5191	Sequence 5191, Ap
310	5	11.6	57	2	US-09-623-548A-223	Sequence 223, App	383	5	11.6	97	2	US-09-299-495F-19	Sequence 19, Appl
311	5	11.6	59	2	US-09-657-276-223	Sequence 2774, App	384	5	11.6	97	2	US-09-248-796A-21125	Sequence 21125, A
312	5	11.6	59	2	US-09-621-976-5774	Sequence 5774, Ap	385	5	11.6	98	1	US-08-690-011A-19	Sequence 19, Appl
313	5	11.6	59	2	US-09-439-410A-91	Sequence 91, Appl	386	5	11.6	98	2	US-09-594-506-14	Sequence 14, Appl
314	5	11.6	60	2	US-08-754-477A-20	Sequence 20, Appl	387	5	11.6	99	2	US-09-248-796A-22577	Sequence 22577, A
315	5	11.6	60	2	US-09-270-767-57208	Sequence 57208, A	388	5	11.6	100	1	US-08-160-524A-12	Sequence 12, Appl
316	5	11.6	60	2	US-09-376-463-6	Sequence 6, Appl	389	5	11.6	100	2	US-09-147-875A-5	Sequence 5, Appl1
317	5	11.6	60	2	US-10-179-784-15	Sequence 15, Appl	390	5	11.6	100	6	5252466-19	Patent No. 5252466
318	5	11.6	61	2	US-09-902-540-10616	Sequence 10616, A	391	5	11.6	101	1	US-08-710-749-4	Sequence 4, Appl1
319	5	11.6	62	2	US-09-513-999C-5925	Sequence 5925, Ap	392	5	11.6	101	2	US-09-107-532A-5792	Sequence 5792, Ap

393	5	11.6	101	2	US-09-583-110-4557	Sequence 4557, Ap	466	5	11.6	141	2	US-09-702-705-1822	Sequence 1822, Ap
394	5	11.6	102	1	US-08-750-856A-16	Sequence 16, Appl	467	5	11.6	141	2	US-09-736-457-1822	Sequence 1822, Ap
395	5	11.6	102	2	US-09-248-796A-25386	Sequence 25386, A	468	5	11.6	141	2	US-09-671-325-1822	Sequence 1822, Ap
396	5	11.6	103	2	US-09-513-999C-7837	Sequence 7837, Ap	469	5	11.6	141	2	US-09-902-540-10731	Sequence 10731, A
397	5	11.6	104	1	US-08-690-011A-25	Sequence 25, Appl	470	5	11.6	141	2	US-10-017-754-1822	Sequence 1822, Ap
398	5	11.6	104	2	US-09-227-357-172	Sequence 172, App	471	5	11.6	142	2	US-09-489-039A-9803	Sequence 9803, Ap
399	5	11.6	104	2	US-09-270-767-60427	Sequence 60427, A	472	5	11.6	142	2	US-09-270-767-31732	Sequence 31732, A
400	5	11.6	104	2	US-09-973-278-204	Sequence 204, App	473	5	11.6	142	2	US-09-270-767-46949	Sequence 46949, A
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402	5	11.6	105	2	US-09-583-110-5144	Sequence 5144, Ap	475	5	11.6	143	2	US-09-513-999C-7973	Sequence 7973, Ap
403	5	11.6	105	2	US-09-107-433-4067	Sequence 4067, Ap	476	5	11.6	145	2	US-09-252-991A-17060	Sequence 17060, A
404	5	11.6	106	1	US-08-690-011A-29	Sequence 29, Appl	477	5	11.6	147	2	US-09-640-211A-2251	Sequence 2251, Ap
405	5	11.6	106	2	US-09-299-495F-25	Sequence 25, Appl	478	5	11.6	148	2	US-09-248-796A-19319	Sequence 19319, A
406	5	11.6	107	2	US-09-299-495F-27	Sequence 27, Appl	479	5	11.6	149	2	US-09-732-210-1093	Sequence 1093, Ap
407	5	11.6	108	1	US-08-710-749-24	Sequence 24, Appl	480	5	11.6	149	2	US-09-270-767-32135	Sequence 32135, A
408	5	11.6	108	2	US-09-299-495F-29	Sequence 29, Appl	481	5	11.6	149	2	US-09-270-767-36338	Sequence 36338, A
409	5	11.6	108	2	US-09-634-238-308	Sequence 308, App	482	5	11.6	149	2	US-09-270-767-51555	Sequence 51555, A
410	5	11.6	108	2	US-09-147-875A-24	Sequence 24, Appl	483	5	11.6	149	2	US-09-774-639-304	Sequence 304, App
411	5	11.6	108	2	US-09-147-875A-25	Sequence 25, Appl	484	5	11.6	149	2	US-09-249-543B-26	Sequence 26, Appl
412	5	11.6	109	2	US-09-252-991A-21121	Sequence 21121, A	485	5	11.6	149	2	US-09-303-518D-826	Sequence 826, App
413	5	11.6	109	2	US-09-107-532A-4478	Sequence 4478, Ap	486	5	11.6	151	2	US-09-107-532A-5606	Sequence 5606, Ap
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415	5	11.6	110	2	US-09-515-697-129	Sequence 129, App	488	5	11.6	154	2	US-09-201-227A-4	Sequence 4, Appli
416	5	11.6	111	2	US-09-270-767-45669	Sequence 45669, A	489	5	11.6	154	2	US-09-201-227A-18	Sequence 18, Appl
417	5	11.6	111	2	US-10-104-047-3918	Sequence 3918, Ap	490	5	11.6	154	2	US-09-621-976-4212	Sequence 4212, Ap
418	5	11.6	112	2	US-09-543-681A-4827	Sequence 4827, Ap	491	5	11.6	154	2	US-09-270-767-33789	Sequence 33789, A
419	5	11.6	112	2	US-09-902-540-9940	Sequence 9940, Ap	492	5	11.6	154	2	US-09-270-767-49006	Sequence 49006, A
420	5	11.6	113	1	US-08-062-472B-11	Sequence 11, Appl	493	5	11.6	154	2	US-09-249-543B-24	Sequence 24, Appl
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422	5	11.6	115	2	US-09-367-206-18	Sequence 18, Appl	495	5	11.6	155	2	US-09-148-545-178	Sequence 178, App
423	5	11.6	115	2	US-09-248-796A-24976	Sequence 24976, A	496	5	11.6	155	2	US-09-621-011-178	Sequence 178, App
424	5	11.6	115	2	US-09-806-437-2	Sequence 2, Appli	497	5	11.6	155	2	US-10-206-576-112	Sequence 112, App
425	5	11.6	115	2	US-09-298-404-18	Sequence 18, Appl	498	5	11.6	156	2	US-09-902-540-11363	Sequence 11363, A
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427	5	11.6	116	2	US-09-742-373-8	Sequence 8, Appli	500	5	11.6	157	2	US-09-328-352-6849	Sequence 6849, Ap
428	5	11.6	116	2	US-09-489-039A-12512	Sequence 12512, A	501	5	11.6	157	2	US-09-248-796A-25150	Sequence 25150, A
429	5	11.6	116	2	US-09-540-236-3295	Sequence 3295, Ap	502	5	11.6	158	2	US-09-010-809-20	Sequence 20, Appl
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431	5	11.6	116	2	US-09-513-999C-8075	Sequence 8075, Ap	504	5	11.6	158	2	US-09-107-532A-4803	Sequence 4803, Ap
432	5	11.6	116	2	US-10-394-058-7	Sequence 7, Appli	505	5	11.6	158	2	US-09-270-767-36522	Sequence 36522, A
433	5	11.6	116	2	US-10-394-058-8	Sequence 8, Appli	506	5	11.6	158	2	US-09-270-767-51739	Sequence 51739, A
434	5	11.6	119	2	US-09-270-767-61783	Sequence 61783, A	507	5	11.6	158	2	US-09-303-518D-124	Sequence 124, App
435	5	11.6	119	2	US-09-902-540-13274	Sequence 13274, A	508	5	11.6	159	2	US-08-390-353A-5	Sequence 5, Appli
436	5	11.6	120	1	US-08-647-144-2	Sequence 2, Appli	509	5	11.6	159	2	US-09-101-059-5	Sequence 5, Appli
437	5	11.6	121	2	US-09-198-452A-136	Sequence 136, App	510	5	11.6	159	2	US-09-673-395A-321	Sequence 321, App
438	5	11.6	123	2	US-09-513-999C-5281	Sequence 5281, Ap	511	5	11.6	160	2	US-09-252-991A-17040	Sequence 17040, A
439	5	11.6	126	2	US-09-513-999C-5659	Sequence 5659, Ap	512	5	11.6	161	2	US-09-461-325-210	Sequence 210, App
440	5	11.6	127	2	US-09-328-352-8093	Sequence 8093, Ap	513	5	11.6	161	2	US-09-489-039A-12937	Sequence 12937, A
441	5	11.6	127	2	US-09-248-796A-15103	Sequence 15103, A	514	5	11.6	161	2	US-10-012-542-210	Sequence 210, App
442	5	11.6	127	2	US-09-471-276-1460	Sequence 1460, Ap	515	5	11.6	161	2	US-10-115-123-210	Sequence 210, App
443	5	11.6	128	2	US-09-199-637A-150	Sequence 150, App	516	5	11.6	162	2	US-09-252-991A-26062	Sequence 26062, A
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445	5	11.6	128	2	US-10-394-058-9	Sequence 9, Appli	518	5	11.6	162	2	US-09-270-767-55098	Sequence 55098, A
446	5	11.6	129	2	US-09-621-976-4973	Sequence 4973, Ap	519	5	11.6	163	2	US-09-634-238-310	Sequence 310, App
447	5	11.6	130	2	US-09-732-210-1138	Sequence 1138, Ap	520	5	11.6	164	2	US-09-134-000C-3529	Sequence 3529, Ap
448	5	11.6	130	2	US-09-543-681A-4988	Sequence 4988, Ap	521	5	11.6	164	2	US-09-949-016-7614	Sequence 7614, Ap
449	5	11.6	130	2	US-09-248-796A-24754	Sequence 24754, A	522	5	11.6	165	1	US-07-956-700B-106	Sequence 106, App
450	5	11.6	130	2	US-09-438-185A-120	Sequence 120, App	523	5	11.6	165	1	US-08-476-537-106	Sequence 106, App
451	5	11.6	130	2	US-10-198-053-573	Sequence 573, App	524	5	11.6	165	1	US-08-485-607-106	Sequence 106, App
452	5	11.6	132	2	US-09-949-016-9217	Sequence 9217, Ap	525	5	11.6	165	1	US-08-475-879-106	Sequence 106, App
453	5	11.6	132	2	US-09-949-016-9218	Sequence 9218, Ap	526	5	11.6	165	1	US-09-433-043B-106	Sequence 106, App
454	5	11.6	134	1	US-08-328-152A-13	Sequence 13, Appl	527	5	11.6	165	2	US-09-270-767-31701	Sequence 31701, A
455	5	11.6	134	2	US-09-902-540-13120	Sequence 13120, A	528	5	11.6	165	2	US-09-270-767-46918	Sequence 46918, A
456	5	11.6	135	2	US-09-615-192A-287	Sequence 287, App	529	5	11.6	165	2	US-09-902-540-11908	Sequence 11908, A
457	5	11.6	135	2	US-09-107-433-5156	Sequence 5156, Ap	530	5	11.6	166	2	US-09-270-767-59533	Sequence 59533, A
458	5	11.6	136	2	US-09-800-170-14	Sequence 14, Appl	531	5	11.6	167	2	US-09-543-681A-6963	Sequence 6963, Ap
459	5	11.6	137	2	US-09-904-615-163	Sequence 163, App	532	5	11.6	168	2	US-09-902-540-15546	Sequence 15546, A
460	5	11.6	137	2	US-09-107-532A-5559	Sequence 5559, Ap	533	5	11.6	169	2	US-09-516-514-7	Sequence 7, Appli
461	5	11.6	137	2	US-10-054-988-163	Sequence 163, App	534	5	11.6	169	2	US-09-602-787A-204	Sequence 204, App
462	5	11.6	138	2	US-09-252-991A-26095	Sequence 26095, A	535	5	11.6	169	2	US-09-270-767-57286	Sequence 57286, A
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ALIGNMENTS

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RESULT 1
US-09-949-016-10895
; Sequence 10895, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10895
; LENGTH: 345
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10895
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US-09-621-976-7606
; Sequence 7606, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTS and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
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; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-621-976-7606
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Db 20 ELEQEVQRL 28
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RESULT 3
US-08-690-011A-52
; Sequence 52, Application US/08690011A
; Patent No. 5942433
; GENERAL INFORMATION:
; APPLICANT: VINSON, Charles R.
; APPLICANT: KRYLOV, Dmitry
; TITLE OF INVENTION: EXTENSION OF A PROTEIN-PROTEIN
; INTERACTION SURFACE TO INACTIVATE THE FUNCTION OF A
; CELLULAR PROTEIN
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/690,011A
; FILING DATE: 31-JUL-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/001,654
; FILING DATE: 31-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/018,496
; FILING DATE: 29-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Serunian, Lealie A.
; REGISTRATION/DOCKET NUMBER: 35,353
; REFERENCE/DOCKET NUMBER: 2026-4199US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)758-4800
; TELEFAX: (212)751-6849
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 89 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-690-011A-52
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RESULT 4

US-09-299-495F-64

; Sequence 64, Application US/09299495F

; Patent No. 6361968

; GENERAL INFORMATION:

; APPLICANT: VINSON, Charles R.

; KRYLOV, Dmitry

; TITLE OF INVENTION: EXTENSION OF A PROTEIN-PROTEIN

; INTERACTION SURFACE TO INACTIVATE THE FUNCTION OF A

; CELLULAR PROTEIN

; NUMBER OF SEQUENCES: 64

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MORGAN & FINNEGAN, L.L.P.

; STREET: 345 Park Avenue

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10154-0053

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: MS WORD 97

; SOFTWARE: ASCII

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/299,495F

; FILING DATE: 26-Apr-1999

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/001,654

; FILING DATE: 31-JUL-1995

; APPLICATION NUMBER: 60/018,496

; FILING DATE: 29-MAY-1996

; APPLICATION NUMBER: 08/690,011

; FILING DATE: 31-JULY-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Serunian, Leslie A.

; REGISTRATION NUMBER: 35,353

; REFERENCE/DOCKET NUMBER: 2026-4199US2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212)758-4800

; TELEFAX: (212)751-6849

; INFORMATION FOR SEQ ID NO: 64:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 89 amino acids

; TYPE: amino acid

; STRANDEDNESS: unknown

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; SEQUENCE DESCRIPTION: SEQ ID NO: 64:

US-09-299-495F-64

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RESULT 5

US-09-489-039A-11016

; Sequence 11016, Application US/09489039A

; Patent No. 6610836

; GENERAL INFORMATION:

; APPLICANT: Gary Bretton et. al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

; FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS

; CURRENT APPLICATION NUMBER: US/09/489,039A

; CURRENT FILING DATE: 2000-01-27

; PRIOR APPLICATION NUMBER: US 60/117,747

; PRIOR FILING DATE: 1999-01-29

; SEQ ID NO 11016

; LENGTH: 425

; TYPE: PRT

; ORGANISM: Klebsiella pneumoniae

US-09-489-039A-11016

Query Match

Best Local Similarity 16.3%; Score 7; DB 2; Length 425;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 87 RAAFLRQ 93

RESULT 6

US-09-570-337B-2

; Sequence 2, Application US/09570337B

; Patent No. 6685932

; GENERAL INFORMATION:

; APPLICANT: European Molecular Biology Laboratory (EMBL)

; APPLICANT: Domingues, Helena

; APPLICANT: Cregut, David

; APPLICANT: Sebald, Walter

; APPLICANT: Oschkinat, Hartmut

; APPLICANT: Serrano, Luis

; TITLE OF INVENTION: Design of Coiled-Coil Dimer Derived Antagonists of 4-Helix Bundle

; FILE REFERENCE: Cytokine Specific Receptors

; CURRENT APPLICATION NUMBER: US/09/570,337B

; CURRENT FILING DATE: 2000-05-12

; NUMBER OF SEQ ID NOS: 9

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 2

; LENGTH: 31

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; NAME/KEY: misc feature

; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide

; NAME/KEY: misc feature

; OTHER INFORMATION: Model 2, interleukin-4 mimetic peptide 4082 Kd micrometers

US-09-570-337B-2

Query Match

Best Local Similarity 14.0%; Score 6; DB 2; Length 31;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 28 RLENEV 33

Db 18 RLENEV 23

RESULT 7

US-09-570-337B-3

; Sequence 3, Application US/09570337B

; Patent No. 6685932

; GENERAL INFORMATION:

; APPLICANT: European Molecular Biology Laboratory (EMBL)

; APPLICANT: Domingues, Helena

; APPLICANT: Cregut, David

; APPLICANT: Sebald, Walter

; APPLICANT: Oschkinat, Hartmut

; APPLICANT: Serrano, Luis

; TITLE OF INVENTION: Design of Coiled-Coil Dimer Derived Antagonists of 4-Helix Bundle

; FILE REFERENCE: Cytokine Specific Receptors

; CURRENT APPLICATION NUMBER: US/09/570,337B

; CURRENT FILING DATE: 2000-05-12

; NUMBER OF SEQ ID NOS: 9

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; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Artificial Sequence
; NAME/KEY: misc feature
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
; NAME/KEY: misc feature
; OTHER INFORMATION: Model 2a, interleukin-4 mimetic peptide 2160 kd micrometers
US-09-570-337B-3
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Query Match 14.0%; Score 6; DB 2; Length 31;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 28 RLENEV 33
Db 18 RLENEV 23
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RESULT 8
US-09-570-337B-4
; Sequence 4, Application US/09570337B
; Patent No. 6685932
; GENERAL INFORMATION:
; APPLICANT: European Molecular Biology Laboratory (EMBL)
; APPLICANT: Domingues, Helena
; APPLICANT: Cregut, David
; APPLICANT: Sebald, Walter
; APPLICANT: Oschkinat, Hartmut
; APPLICANT: Serrano, Luis
; TITLE OF INVENTION: Design of Coiled-Coil Dimer Derived Antagonists of 4-Helix Bundle
; FILE REFERENCE: 100564-00000
; CURRENT APPLICATION NUMBER: US/09/570.337B
; CURRENT FILING DATE: 2000-05-12
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Artificial Sequence
; NAME/KEY: misc feature
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
; NAME/KEY: misc feature
; OTHER INFORMATION: Model 2b, interleukin-4 mimetic peptide 193 kd micrometers
US-09-570-337B-4
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Query Match 14.0%; Score 6; DB 2; Length 31;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 28 RLENEV 33
Db 18 RLENEV 23
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RESULT 9
US-07-752-101A-8
; Sequence 8, Application US/07752101A
; Patent No. 5326857
; GENERAL INFORMATION:
; APPLICANT: Yamamoto, Fumi-ichiro
; APPLICANT: White, Thayer
; APPLICANT: Hakomori, Sen-itiroh
; APPLICANT: Clausen, Henrik
; TITLE OF INVENTION: ABO GENOTYPING
; NUMBER OF SEQUENCES: 89
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry
; STREET: 6300 Columbia Center, 701 Fifth Avenue
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; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/752.101A
; FILING DATE: 19910829
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 150036.406C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-622-4900
; TELEFAX: 206-682-6031
; TELEX: 3723836
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; FEATURE:
; NAME/KEY: Region
; LOCATION: 28
; OTHER INFORMATION: /label= unsure
; OTHER INFORMATION: /note= "This amino acid is unknown."
US-07-752-101A-8
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Query Match 14.0%; Score 6; DB 1; Length 42;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 24 QEVORL 29
Db 17 QEVORL 22
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RESULT 10
US-09-227-357-654
; Sequence 654, Application US/09227357
; Patent No. 6342581
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P1
; CURRENT APPLICATION NUMBER: US/09/227,357
; CURRENT FILING DATE: 1999-01-08
; EARLIER APPLICATION NUMBER: PCT/US98/13684
; EARLIER FILING DATE: 1998-07-07
; EARLIER APPLICATION NUMBER: 60/051,926
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,793
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,925
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,929
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,803
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,732
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,931
; EARLIER FILING DATE: 1997-07-08
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EARLIER APPLICATION NUMBER: 60/051,932
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,916
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,930
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,918
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,920
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052,733
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052,795
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,919
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,928
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/055,722
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,723
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,948
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,949
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,953
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,950
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,947
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,964
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/056,360
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,684
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,984
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,954
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/058,785
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,664
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,660
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,661
EARLIER FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 672
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 654
LENGTH: 66
TYPE: PRT
ORGANISM: Homo sapiens
US-09-227-357-654

Query Match 14.0%; Score 6; DB 2; Length 66;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 RAAFLR 9
DB 50 RAAFLR 55

RESULT 11
US-09-973-278-372
Sequence 372, Application US/09973278
Patent No. 6924354
GENERAL INFORMATION:
APPLICANT: Fischer et al.

TITLE OF INVENTION: 123 Human Secreted Proteins
FILE REFERENCE: PZ010P2
CURRENT APPLICATION NUMBER: US/09/973,278
CURRENT FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: 60/239,899
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 09/227,357
PRIOR FILING DATE: 1999-01-08
PRIOR APPLICATION NUMBER: PCT/US98/13684
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/051,926
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,793
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,925
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,929
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,803
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,732
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,931
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,932
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,916
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,930
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,918
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,920
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,733
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,795
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,919
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,928
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/055,722
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,723
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,948
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,949
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,953
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,950
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,947
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,964
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/056,360
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,684
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,984
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,954
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/058,785
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,664
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,660
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,661
PRIOR FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 672
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 654
LENGTH: 66
TYPE: PRT
ORGANISM: Homo sapiens
US-09-227-357-654

; PRIOR FILING DATE: 1997-09-12
; NUMBER OF SEQ ID NOS: 947
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 372
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-973-278-372

Query Match 14.0%; Score 6; DB 2; Length 66;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 RAAFLR 9
Db 50 RAAFLR 55
|||||

RESULT 12
US-09-248-796A-22740
; Sequence 22740, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 22740
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-22740

Query Match 14.0%; Score 6; DB 2; Length 67;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 FLQRN 12
Db 14 FLQRN 19
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RESULT 13
US-09-543-681A-4424
; Sequence 4424, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABIL
; FILE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4424
; LENGTH: 84
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4424

Query Match 14.0%; Score 6; DB 2; Length 84;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 34 SQYETR 39
Db 69 SQYETR 74
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RESULT 14
US-08-062-472B-10
; Sequence 10, Application US/08062472B
; Patent No. 5695954
; GENERAL INFORMATION:
; APPLICANT: Sherwood, Nancy G M
; APPLICANT: Parker, David B
; APPLICANT: McRory, John E
; APPLICANT: Lescheid, David W
; TITLE OF INVENTION: DNA ENCODING TWO FISH NEUROPEPTIDES
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: KLARQUIST, SPARKMAN, CAMPBELL, LEIGH &
; ADDRESSEE: WHINSTON, LLP
; STREET: ONE WORLD TRADE CENTER, SUITE 1600, 121 S.W.
; STREET: SALMON STREET
; CITY: PORTLAND
; STATE: OREGON
; COUNTRY: USA
; ZIP: 97204-2988
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/062,472B
; FILING DATE: 14-MAY-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: POLLEY, RICHARD J
; REGISTRATION NUMBER: 28107
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (503) 228-7391
; TELEFAX: (503) 228-9446
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 87 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-062-472B-10

Query Match 14.0%; Score 6; DB 1; Length 87;
Best Local Similarity 100.0%; Pred. No. 54;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 28 RLENEV 33
Db 33 RLENEV 38
|||||

RESULT 15
US-09-543-681A-4345
; Sequence 4345, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABIL
; FILE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 4345


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; LENGTH: 91
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-4345

Query Match      14.0%; Score 6; DB 2; Length 91;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      20 AELEQE 25
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Db      41 AELEQE 46

Search completed: December 5, 2005, 18:52:52
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